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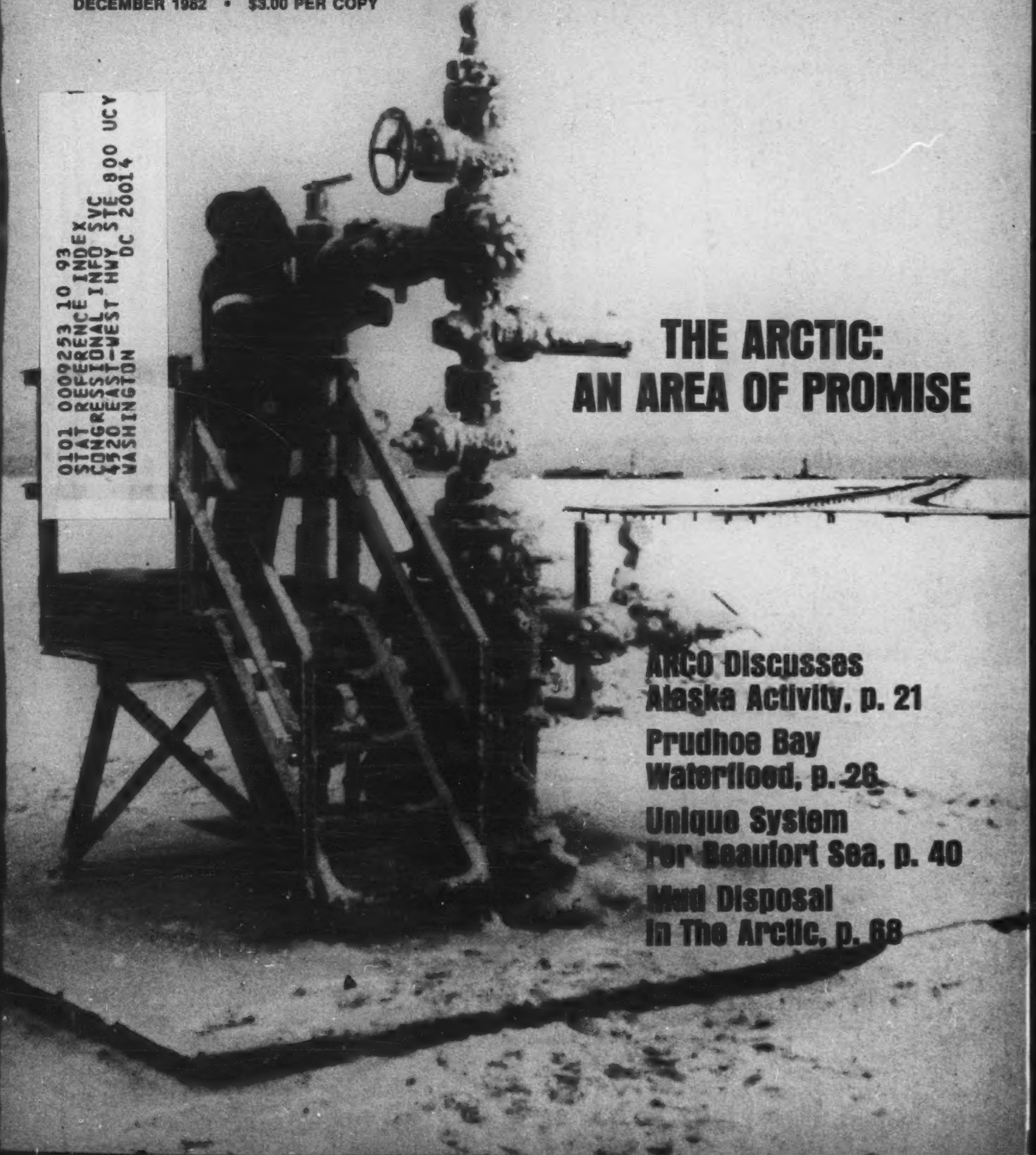

THE ARCTIC: AN AREA OF PROMISE

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Unique System For Beaufort Sea, p. 40

Mud Disposal In The Arctic, p. 68

Petroleum Engineer® INTERNATIONAL

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operating people

DECEMBER 1982 NUMBER 15 VOLUME 54

ABOUT THE COVER: Although definitely an Area of Promise, the arctic is typified by harsh conditions and isolated wellheads. (Cover photo courtesy of Arco Oil and Gas Co.)

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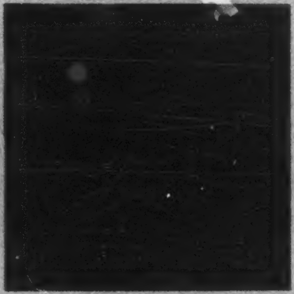
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21 Arco Management Discusses Alaska Activity

In an exclusive interview, O. Glenn Simpson and Larry N. Bell point out that there are few places in the world where really vast accumulations of oil occur. And the Alaskan North Slope has the potential to be one of them.

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by Walter H. F. Hoeckmann, The Ralph M. Parsons Co. Heterogeneous reservoir characteristics required system designs flexible enough to respond to conditions that could not be defined until results were analyzed.

40 Gulf Canada Moves Ahead With Unique Drilling System

by Steven D. Moore, Drilling Editor. Included are a mobile arctic caisson, conical drilling unit, two icebreakers, and two supply boats, all designed for heavy ice conditions. The aim is to extend the drilling season.

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Petroleum Engineer® INTERNATIONAL

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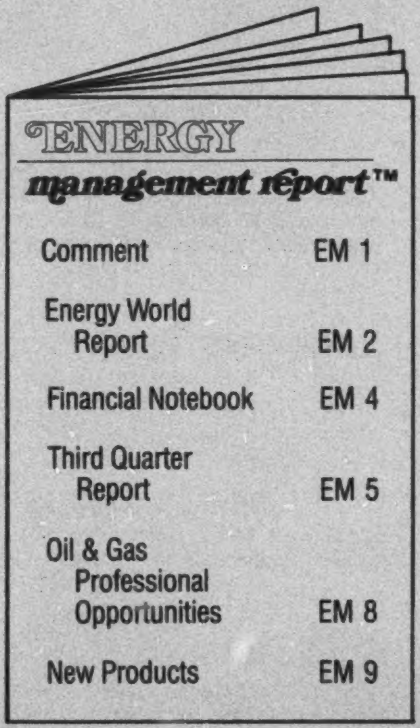

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Engineering Profits into Energy Operations

Rig Count Rises After 2,088-Rig Loss

Three straight increases in the rig count reflected a gain of 77 active drilling rigs in the U.S. during early November. Low point for the year so far was reached on October 18, when 2,379 rigs were counted in the U.S. by Hughes Tool Co. That was a decline of 2,088 rigs from the year's high mark of 4,467, which was reached on January 4.

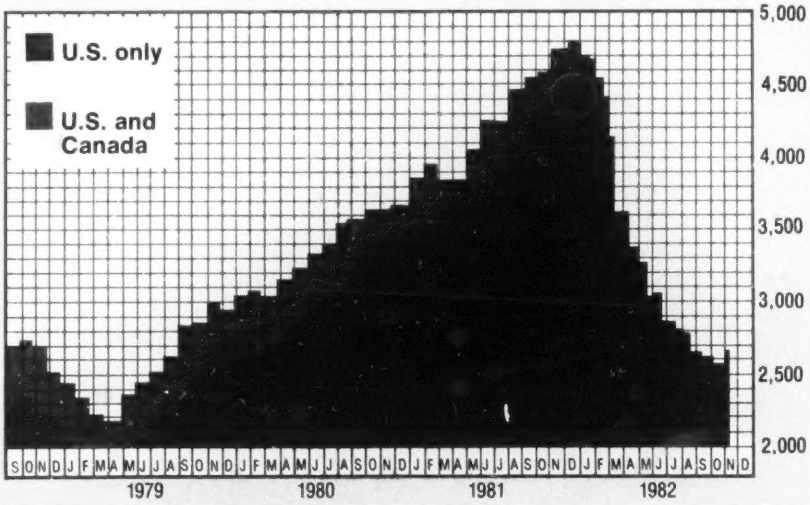
The one-rig increase credited to October 25 was only the fourth time the rig count had risen all year, and the subsequent increases on November 1 and 8 marked the first time this year that any increase lasted more than a week.

Almost 50 of the newly active rigs are located in Texas. Oklahoma, however, failed to participate in the increased activity. That state's rig count was down to 336 in early November – a decline of 499 rigs from the same week in 1981.

Rotary Rigs Actually Making Hole In United States & Canada

As Reported To International Association Of Drilling Contractors By Hughes Tool Co.

	Oct. 18, 1982	Oct. 25, 1982	Nov. 1, 1982	Nov. 8, 1982
Alabama				
Land	7	4	9	10
Inland Waters	3	3	2	2
Total	10	7	11	12
Alaska				
Land	13	12	13	12
Offshore	2	2	2	3
Total	15	14	15	15
Arkansas	24	32	32	32
California				
Land	81	89	91	90
Offshore	24	23	25	22
Total California	105	112	116	112
Colorado	48	55	59	56
Florida	5	5	4	2
Hawaii	1	1	1	1
Illinois	72	77	84	82
Indiana	9	9	9	7
Kansas	124	131	129	133
Kentucky	6	6	7	9
North Louisiana	36	36	29	32
South Louisiana				
Inland Waters	47	48	50	47
Land	63	67	73	75
Offshore	133	129	123	122
Total	279	280	275	276
Michigan	35	34	33	33
Mississippi	39	38	36	36
Montana	30	31	26	25
Nebraska	8	8	8	9
Nevada	6	6	5	3
New Mexico	75	75	78	84
New York	11	11	8	14
North Dakota	48	56	53	50
Ohio	48	47	47	51
Oklahoma	360	346	336	336
Oregon	2	1	1	1
Pennsylvania	33	31	31	29
South Dakota	0	1	1	1
Texas				
Offshore	71	72	71	72
Inland Waters	9	8	8	8
Dist. 1-S. Central Tex.	30	26	29	34
Dist. 2-Middle Tex. Coast	41	31	31	32
Dist. 3-Upper Tex. Coast	97	92	91	99
Dist. 4-Lower Tex. Coast	80	85	92	90
Dist. 5-Northeast Tex.	20	22	19	14
Dist. 6-Far Northeast Tex.	71	70	70	74
Dist. 7B-North Central Tex.	41	53	52	63
Dist. 7C-West Central Tex.	58	53	57	57
Dist. 8-Far West Tex.	107	105	108	113
Dist. 8A-West Tex.	60	61	67	65
Dist. 9-North Tex.	70	70	75	74
Dist. 10-Tex. Panhandle	43	40	47	50
Total	798	788	817	845
Utah	34	35	34	34
Virginia	3	2	3	3
Washington	1	0	0	0
West Virginia	47	38	48	50
Wyoming	103	103	106	115
Total U.S.	2,379	2,380	2,413	2,456
Canada				
Land	161	192	192	214
Offshore	7	6	6	6
U.S. and Canada	2,547	2,578	2,611	2,676



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Drilling/Exploration Activities...

U.S. Drilling Costs Are Down By 25%

Payments to drilling contractors in the U.S. are down about 25%, according to the Independent Petroleum Association of America's Cost Study Committee, which says that discounting on such items as mud and tubulars is ranging up to 40%.

At the same time, the committee says, rig efficiency has picked up considerably, and, in many cases, the decrease in the cost of drilling has more than offset the decline in crude oil prices.

The committee also reports that a survey it conducted of International Association of Drilling Contractors area vice presidents "revealed significant shifts from day work to footage rates, along with the reductions in prices charged for both".

Regarding tubulars, the committee says that mill shipments of tubular goods for the first 7 months of 1982 were 36.2% lower than 1981, and imports were 32.5% greater.

Table 1, prepared by the Cost Study Committee, shows how price indices for items included in drilling and equipping wells increased during the 1978 to 1981 period. Casing and tubing and casing hardware registered the biggest increases during 1981, followed by well site logging or monitoring systems, and fuel. Payments to drilling contractors came in fourth.

Table 1. Index of drilling and equipping wells

		Unadjusted for depth 1979 = 100				
	Weight,%	1978	1979	1980	1981p	Percent increase, 1980-1981
Payments to drilling contractors	31.0	77.2	100.0	115.2	140.3	21.8
Purchased items						
Road site preparation	5.3	90.2	100.0	112.0r	120.5	4.8
Transportation	4.1	90.4r	100.0	113.3r	124.1	9.5
Fuel	1.5	73.1	100.0	149.3r	182.1	22.3
Drilling mud and additives	7.1	90.6	100.0	117.1	132.9	13.5
Well site logging or monitoring system	1.5	85.3	100.0	119.8r	152.3	27.1
All other physical tests	0.6	87.3	100.0	112.7	117.0	3.8
Logs and wireline evaluation services	3.1	88.0	100.0	109.8	127.8	16.4
Directional drilling services	1.0	87.3	100.0	114.3	120.1	5.1
Perforate	1.6	89.4	100.0	120.4	140.8	16.9
Formation treating	4.5	92.1	100.0	120.8	141.6	17.2
Cement and cementing services	3.7	92.4	100.0	116.8	136.1	16.5
Casing and tubing	14.6	94.5	100.0	114.8	148.3	29.2
Casing hardware	0.6	94.5	100.0	114.8	148.3	29.2
Special tool rentals	3.8	90.3	100.0	108.2	121.5	12.3
Drill bits and reamers	1.8	90.9	100.0	114.1	130.6	14.5
Wellhead equipment	2.2	86.4	100.0	121.7r	138.6	20.9
Other equipment and supplies	2.4	90.3	100.0	115.9r	138.4	19.4
Plugging	0.4	92.9	100.0	110.7r	124.8	12.7
Supervision and overhead	2.2	90.8	100.0	110.9r	123.0	10.9
All other expenditures	7.0	88.6	100.0	116.2r	128.6	10.7
Subtotal purchased items	69.0	90.5r	100.0	115.9r	135.6	17.0

r = revised p = preliminary

SOURCE: Weights from IPAA Cost Study Committee Survey of distribution of expenditures in drilling and equipping wells in 1979. Index of payments to drilling contractors from IPAA Annual Survey. Price indices from Bureau of Labor Statistics and other government publications, industry publications, and data provided IPAA Cost Study Committee by service and equipment companies.

Government Accepts 121 Beaufort Bids

The Interior Department's Minerals Management Service accepted high bids totaling $2.056 billion for 121 of the 125 tracts on which bids were received in the October 13 offshore oil and gas lease sale (OCS 71) in Anchorage, Alaska. The four rejected high bids, which MMS said were inadequate, totaled $11.9 million.

The tracts to be leased cover some 663,000 acres in the Diapir field of the Beaufort Sea, northwest of the Prudhoe Bay and Kuparuk oil fields. In all, 338 tracts covering 1.8 million acres were offered in the sale, which was the second under Interior Secretary James Watt's 5-year offshore leasing program which went into effect July 21.

Highest individual bid at the Sale 71 was $227 million, by a Sohio, Mobil, and BP Alaska group, for Tract 191 in the Harrison Bay area. The 5,700-acre block is in 50 ft of water and is 17 miles from shore. Most of the sale's top bidgetters are located in the Harrison Bay area, which is northwest of Milne Point, about 75 miles from Prudhoe Bay. Exxon, however, spent $73 million for Tract 58, offshore Pitt Point, and it turned out to be the eighth most popular tract. Pitt Point is north of the Naval Petroleum Reserve-Alaska, and Tract 58 is 7 miles from shore, in 30 ft of water.

Expensive Tract Is Discovery Site

The recent Chevron-Phillips oil discovery 15 miles west of Point Conception, Calif., was made on the most expensive offshore tract ever leased in the U.S.

The discovery is on Parcel 450, acquired by Chevron U.S.A. Inc., the operator, and Phillips Petroleum Co., an equal partner, for a bonus of $333.6 million in OCS Lease Sale 53, held in May 1981.

Chevron and Phillips already are drilling their first followup well, the P-0450 No. 2, approximately 2 miles to the south. P-0450 No. 3 is to be drilled a mile to the west. In addition, Chevron, Phillips, and Champlin Petroleum Co. are drilling a wildcat, P-0451 No. 1, 3 miles to the east.

Stripper Production Increases by 6%

Stripper wells in the U.S. during 1981 produced 426,502,365 bbl of oil, a 6.3% increase over the 401,095,000 bbl produced by stripper wells in 1980.

The National Stripper Well Survey, published by the Interstate Oil Compact Commission and the National Stripper Well Association, says there were 409,539 stripper wells in operation as of Jan. 1, 1982. By comparison, there were 395,176 stripper wells a year earlier. This means there was a 1-year increase of 14,363 wells and 25,407,368 bbl of production.

Although stripper well abandon-

Foreign Operations Curb Profits

by Cindy Mays, *Assistant Editor, Energy Management Report*

Despite a strong showing by U.S. refining and marketing operations, the 73 oil companies responding to our survey report a 19.1 percent drop in earnings for the third quarter. Profit margin for the group fell from 6.7 percent to 5.4 percent.

Once again, those companies with a major stake in U.S. petroleum operations posted substantial increases in net income this quarter as illustrated in the 84 percent rise at Amerada Hess.

Ashland Oil's 54 percent jump was due primarily to lower priced domestic sources for crude oil, accounting for 70 percent of their refining needs, compared to 58 percent last year.

Earnings at Atlantic Richfield rose 3 percent as a result of sharply increased earnings in petroleum refining and marketing, oil production from Alaska's Kuparuk River field, and higher natural gas prices.

The combination of improved margins in Union Oil of California's refining and marketing activities and decreased dry hole and exploration expenses sent their earnings up 10.3 percent.

Aramco members, on the other hand, were hurt by their agreement to buy $34/bbl Saudi oil.

Exxon's third quarter earnings dropped 25 percent; Mobil, 36 percent; Texaco, 49 percent; and Standard Oil of California, 13 percent.

Among the major oil companies surveyed, Gulf Oil reported the biggest decline at 54 percent. The largest contributing factor was a pretax write-down of more than $100 million on chemical properties.

Standard Oil of Ohio posted a 4 percent gain in net income. Results from the company's exploration and production, and marketing and refining operations offset losses in coal, chemicals, and industrial products.

Lower crude oil prices and slumping natural gas demand overshadowed higher U.S. gas prices, resulting in a 28 percent drop in earnings at Sun Co. and a 6.1 percent decline at Shell Oil.

Pennzoil earnings were adversely affected by sharply reduced pipeline purchases of natural gas, dropping 17 percent.

Cities Service 67.8 percent decline was due mostly to an after-tax increase of $36 million in exploration costs and interest expense.

Continued pressure on refined product margins, lower crude oil and free market natural gas prices, and a soft coal market caused Dorchester Gas earnings to drop 43.1 percent.

American Petrofina's net income fell 41.4 percent because higher charges attributable to the company's expanded exploration program caused operating income from exploration and production activities to decline.

Lower demand for natural gas and related services contributed to the 8.5 percent decline in third quarter earnings for the 27 gas companies in our survey group. Profit

GAS COMPANIES THIRD QUARTER FINANCIAL REPORTS

	Three months ending September 30						Nine months ending September 30						Profit Margin	
	Revenues ($000)			Earnings ($000)			Revenues ($000)			Earnings ($000)				
Company	1982	1981	% Chg.	1982	1981	% Chg.	1982	1981	% Chg.	1982	1981	% Chg.	1982	1981
Alabama Tennessee NG	29,582	25,413	+ 16.4	1,329	1,184	+ 12.3	96,596	86,542	+ 11.6	4,316	4,135	+ 4.4	4.5	4.8
Am. Nat. Resources	528,328	529,022	- 0.1	17,756	(109)		2,275,009	2,008,168	+ 13.3	113,337	70,485	+ 60.8	5.0	3.5
ARKLA	274,586	254,726	+ 7.8	12,435	12,118	+ 2.6	1,262,669	1,137,030	+ 11.0	93,600	85,463	+ 9.5	7.4	7.5
Coastal Corp.	1,324,087	1,408,797	- 6.0	21,224	1,827	+ 1061.5	4,236,378	4,594,905	- 7.8	43,048	(22,328)		1.0	
Columbia Gas	793,086	713,683	+ 11.1	(24,725)	(148)		3,662,901	3,075,173	+ 19.1	110,494	118,912	- 7.1	3.0	3.9
Consolidated NG	498,136	360,007	+ 38.4	6,237	931	+ 569.9	2,327,315	1,927,567	+ 20.7	118,109	94,320	+ 8.2	5.1	4.9
El Paso Cos.	954,794	962,239	- 0.8	26,773	39,172	- 31.6	2,845,181	2,781,403	+ 2.3	66,162	107,848	- 38.6	2.3	3.9
ENSERCH	968,317	853,113	+ 13.5	31,300	41,613	- 24.8	2,874,242	2,509,521	+ 14.5	124,553	143,733	- 13.3	4.3	5.7
Equitable Gas	62,936	52,113	+ 20.8	2,034	1,718	+ 18.4	418,480	407,164	+ 2.8	37,100	39,904	- 7.0	8.9	9.8
Houston NG[1]	728,328	800,617	- 9.0	56,630	63,149	- 5.6	3,180,718	2,906,310	+ 9.4	262,290	238,248	+ 10.1	8.2	8.2
InterNorth	806,249	741,606	8.7	13,978	27,768	- 49.7	2,980,459	2,622,201	+ 13.6	142,074	183,435	- 22.5	4.8	7.0
Kansas-Nebraska NG	109,961	109,522	+ 0.4	4,064	6,971	- 41.7	355,129	319,162	+ 11.3	17,936	18,663	- 3.9	5.1	5.9
Northwest Energy	218,311	220,177	- 0.8	(4,163)	11,975		1,002,318	924,412	+ 8.4	31,108	50,099	- 37.9	3.1	5.4
ONEOK Inc.	206,758	240,380	- 14.0	7,779	10,599	- 26.6	833,198	835,307	- 0.3	41,554	46,440	- 10.5	5.0	5.6
Pacific Lighting[2]	1,027,115	801,550	+ 28.1	22,490	27,059	- 16.9	3,208,272	2,395,361	+ 33.9	83,738	98,328	- 14.8	2.6	4.1
Panhandle Eastern	758,898	741,846	+ 2.3	48,544	56,181	- 13.6	2,511,390	2,463,025	+ 1.9	184,508	212,940	- 13.4	7.3	8.6
Peoples Energy	1,542,490	1,315,617	+ 17.2	45,952	48,210	- 4.7	151,172	161,500	- 6.4	(12,293)	(8,512)			
Pioneer Corp.	308,938	310,952	- 0.6	26,077	27,399	- 4.8	866,157	907,129	- 4.5	72,556	84,998	- 14.6	8.4	9.4
Sonat Inc.	563,054	598,891	- 6.4	48,304	38,209	+ 26.4	1,990,098	1,900,956	+ 4.7	160,640	129,029	+ 24.5	8.1	6.8
Southern Union	223,408	220,122	+ 1.5	(1,471)	69		817,318	777,587	+ 5.1	12,872	27,901	- 53.9	1.6	3.6
Texas Eastern	1,315,003	1,110,982	+ 18.4	43,275	45,521	- 4.9	4,151,625	3,283,496	+ 26.4	147,952	164,434	- 10.0	3.6	5.0
Texas Gas Trans.	650,800	610,900	+ 6.5	25,556	32,862	- 21.9	2,107,385	1,884,414	+ 11.8	83,869	102,703	- 18.3	4.0	5.5
TransCanada PipeLines	752,045	721,371	+ 4.3	49,633	38,758	+ 28.1	2,567,188	2,479,442	+ 3.5	138,931	103,072	+ 34.8	5.4	4.2
Transco	927,654	807,898	+ 14.8	30,447	28,587	+ 6.5	2,808,429	2,578,466	+ 8.9	108,302	91,057	+ 18.9	3.9	3.5
United Energy Res.	1,290,193	1,389,606	- 7.2	40,634	49,632	- 18.1	4,245,722	3,925,656	+ 8.2	159,080	158,944	+ 0.1	3.7	4.0
Westcoast Trans.	151,461	200,138	- 41.8	20,702	14,998	+ 38.0	701,326	906,426	- 12.7	58,449	48,661	+ 20.1	7.4	5.4
TOTALS	17,014,518	16,161,288	+ 5.3	572,864	626,253	- 8.5	54,563,675	49,798,432	+ 9.6	2,403,557	2,392,912	+ 0.4	4.4	4.8

[1] Three months and twelve months ended July 31. [2] Twelve months.

OIL COMPANIES THIRD QUARTER FINANCIAL REPORTS

Company	Three months ending September 30**						Nine months ending September 30**						Profit‡ Margin	
	Revenues ($000)			Earnings* ($000)			Revenues ($000)			Earnings* ($000)				
	1982	1981	% Chg.	1982	1981	% Chg.	1982	1981	% Chg.	1982	1981	% Chg.	1982	1981
Adobe O&G Corp.	51,202	48,213	+ 6.2	5,761	6,060	- 4.9	154,944	133,317	+ 16.2	17,490	18,000	- 2.8	11.3	13.5
Amerada Hess	2,124,094	1,903,170	+ 11.6	80,127	43,523	+ 84.1	6,277,571	7,104,206	- 11.6	125,049	164,343	- 23.9	2.0	2.3
American Petrofina	540,121	610,747	- 11.6	12,696	21,650	- 41.4	1,723,328	1,990,945	- 13.4	39,566	57,151	- 30.8	2.3	2.9
Argo Petroleum	5,975	4,956	+ 20.6	(2,128)	555		17,004	16,110	+ 5.6	(3,538)	2,073			12.9
Ashland Oil	8,864,669	9,262,076	- 4.3	30,057	26,502	+ 13.4	2,212,229	2,526,114	- 91.2	75,819	49,279	+ 53.9	3.4	2.0
Asamera	114,662	119,527	- 4.1	977	2,542	- 61.6	321,892	338,347	- 4.9	(867)	6,692			2.0
Atlantic Richfield	6,795,462	7,076,365	- 3.9	446,884	433,532	+ 3.0	20,245,850	21,397,558	- 5.4	1,242,071	1,201,472	+ 3.4	6.1	5.6
Beard Oil	8,065	9,013	- 10.5	(885)	1,356		26,898	25,280	+ 6.4	(250)	3,851			15.2
Belco Petroleum	84,352	77,454	+ 8.9	25,230	24,088	+ 4.7	246,037	234,765	+ 4.8	76,265	71,984	+ 5.9	31.0	30.7
Callon Petroleum[1]	5,371,390	3,136,060	+ 71.3	57,471	376,912	- 84.7	16,708,000	9,291,305	+ 79.8	2,075,078	2,610,406	- 20.5	12.4	28.1
Cities Service	1,962,400	1,910,900	+ 2.7	25,000	77,600	- 67.8	5,853,100	5,781,400	+ 1.2	152,700	225,800	32.4	2.6	3.9
Commonwealth Oil Refining	21,900	258,200	- 91.5	(5,900)	(20,600)		288,100	809,400	64.4	(22,100)	(83,000)			
Consolidated O&G	9,092	12,214	- 25.6	(1,469)	2,015		30,648	36,564	- 16.2	(3,781)	5,708			15.6
Crown Central	464,815	316,196	+ 47.0	8,365	(5,189)		1,304,449	1,074,809	+ 21.4	2,418	(11,503)		0.2	
Crystal Oil	46,798	82,674	- 43.4	1,670	1,219	+ 37.0	152,924	227,826	- 32.9	(232)	274			0.1
Diamond Shamrock	733,196	820,569	- 10.6	42,272	54,401	- 22.3	2,422,040	2,503,667	- 3.3	103,347	170,423	- 39.4	4.3	6.8
Dorchester Gas	1,159,101	712,033	+ 62.8	17,812	31,287	- 43.1	353,571	230,842	+ 53.2	4,034	7,704	47.6	1.1	3.3
Dyco Petroleum	15,152	12,647	+ 19.8	4,104	3,819	+ 7.5	43,699	35,423	+ 23.4	11,935	10,368	+ 15.1	27.3	29.3
Engle Exploration[2]	965	212	+355.2	(236)	(50)		1,444	415	+248.0	(761)	(120)			
Energy Reserves Group	39,743	43,176	- 7.9	(4,859)	(4,637)		121,928	129,741	- 6.0	(16,509)	(146)			
Enstar Corp.	82,810	88,375	- 6.3	11,461	8,525	+ 34.4	262,317	259,983	+ 0.9	30,928	32,755	- 5.5	11.8	12.6
Equity Oil	5,583	6,318	- 11.6	198	1,393	- 85.8	17,340	18,759	- 7.6	1,904	4,290	- 55.5	11.0	22.8
Exxon	25,331,000	27,614,000	- 8.6	1,070,000	1,075,000	- 0.5	77,394,000	85,406,000	- 9.4	3,195,000	4,500,000	- 29.0	4.1	5.3
Felmont Oil Corp.	18,795	20,046	- 6.2	3,898	3,762	+ 3.6	58,022	56,271	+ 3.1	11,031	12,395	- 11.0	19.0	22.0
Forest Oil Corp.	40,194	37,818	+ 6.3	4,660	369	+1162.9	116,055	103,812	+ 11.8	9,900	3,597	+175.2	8.5	3.5
Freeport McMoRan	186,137	202,834	- 8.2	19,748	36,782	- 46.3	556,057	635,650	- 12.5	61,681	128,405	- 52.0	11.1	20.2
Galaxy Oil	3,829	3,552	+ 7.8	(542)	64		10,704	11,133	- 3.8	(1,954)	371			3.3
General American	85,948	94,579	- 9.1	16,299	20,911	- 22.1	256,036	268,753	- 4.7	47,819	45,564	+ 4.9	18.7	17.0
Getty Oil	3,083,766	3,267,550	- 5.6	177,854	204,931	- 13.2	9,286,618	9,778,720	- 5.0	492,763	639,636	- 23.0	5.3	6.5
Gulf Energy & Dev.	29,218	14,299	+104.3	2,306	1,777	+ 29.8	63,393	42,480	+ 49.2	3,794	5,067	- 25.1	6.0	11.9
Gulf Oil Corp.	7,538,000	7,439,000	+ 1.3	146,000	316,000	- 53.8	22,502,000	22,526,000	- 0.1	623,000	930,000	- 33.0	2.8	4.1
Hamilton Bros. Petroleum	37,197	42,797	- 13.1	4,520	3,070	+ 47.2	126,147	105,937	+ 19.1	8,863	12,444	- 28.8	7.0	11.7
Harken O&G	1,481	1,161	+ 27.6	98	33	+197.0	4,109	2,950	+ 39.3	(677)	(952)			
Holly Corp.[3]	153,895	99,515	+ 54.6	(2,150)	(1,495)		435,373	289,644	+ 50.3	5,071	274	+1750.7	1.2	0.1
Howell Corp.	53,303	55,591	- 4.1	356	(902)		184,065	167,168	+ 10.1	1,909	(1,097)		1.0	
Howell Petroleum	13,234	21,366	- 38.1	1,493	1,802	- 17.1	56,931	66,195	- 14.0	6,007	5,370	+ 11.9	10.5	8.1
Inexco Oil	51,535	61,525	- 16.2	2,770	7,533	- 63.2	170,061	176,117	- 3.4	14,795	22,325	- 33.7	8.7	12.7
Lear Petroleum	54,362	45,427	+ 19.7	1,520	(840)		157,289	123,390	+ 27.5	253	2,601	- 90.3	0.2	2.1
Louisiana L&E	259,144	313,805	- 17.4	19,245	34,479	- 44.2	873,873	934,748	- 6.5	53,079	126,696	- 58.1	6.1	13.6
Mapco Inc.	489,569	512,398	- 4.5	20,236	11,332	+ 78.6	1,452,246	1,597,792	- 9.1	54,127	66,776	- 18.9	3.7	4.2
Maynard Oil	6,761	12,419	- 45.6	(340)	1,746		26,243	33,324	- 21.2	(989)	5,675			17.0
Mesa Petroleum	99,709	103,810	- 4.0	29,414	23,955	+ 22.8	303,667	308,346	- 1.5	91,233	78,259	+ 16.6	30.0	25.4
Mobil Corp.	15,534	16,788	- 7.5	323,000	506,000	- 36.2	47,727	50,492	- 5.5	959,000	1,846,000	- 48.0	20.1	36.6
Moran Energy	20,864	25,412	- 17.9	480	4,812	- 90.0	74,253	74,371	- 0.2	6,388	14,727	- 56.6	8.6	19.8
Murphy Oil	641,018	531,867	+ 20.5	43,869	41,123	+ 6.7	1,983,925	1,858,694	+ 6.7	118,952	124,548	- 4.5	6.0	6.7
Natomas	419,165	403,950	+ 3.8	(43,817)	67,926		1,214,464	1,139,656	+ 6.6	(52,367)	183,720			16.1
Noble Affiliates	94,889	101,847	- 6.8	17,718	21,918	- 19.2	317,261	282,752	+ 12.2	60,403	58,309	+ 3.6	19.0	20.6
Norris Oil	696	726	- 4.1	104	(120)		2,033	2,056	- 1.1	158	(97)		7.8	
Pacific Resources	276,434	302,189	- 8.5	4,441	6,085	- 27.0	841,949	766,918	+ 9.8	2,925	7,498	- 61.0	0.3	1.0
Pennzoil Co.	563,502	668,666	- 15.7	52,488	46,445	+ 13.0	1,739,367	2,028,769	- 14.3	135,210	163,549	- 17.3	7.8	8.1
Petrol Industries Inc.	662	762	- 13.1	141	213	- 33.8	1,800	2,400	- 25.0	373	720	- 48.2	20.7	30.0
Prairie Producing Co.	6,500	8,268	- 21.4	1,227	2,050	- 40.1	20,031	22,636	- 11.5	3,402	6,028	- 43.6	17.0	26.6
Phillips Petroleum	4,002,333	3,895,148	+ 2.8	131,640	192,287	- 31.5	11,845,172	12,196,572	- 2.9	460,375	692,838	- 33.6	3.9	5.7
Quaker State	245,542	251,660	- 2.4	11,517	9,613	+ 19.8	718,789	689,736	+ 4.2	31,352	20,616	+ 52.1	4.4	3.0
Sabine Corp.	51,178	40,486	+ 26.4	5,423	6,679	- 18.8	147,716	125,921	+ 17.3	21,433	22,714	- 5.6	14.5	18.0
Shell Oil	5,090,000	5,578,000	- 8.7	442,000	471,000	- 6.1	15,037,000	16,545,000	- 9.1	1,166,000	1,242,000	- 6.1	7.7	7.5
Southland Royalty	86,803	100,758	- 13.9	7,079	6,911	+ 2.4	274,551	301,085	- 8.8	23,868	27,321	- 12.6	8.7	9.1
Southwestern Energy	12,182	9,408	+ 29.5	1,608	1,717	- 6.3	46,052	41,441	+ 11.1	8,439	9,569	- 11.8	18.3	23.1
Standard California	8,666,000	11,458,000	- 24.4	459,000	527,000	- 12.9	28,056,000	34,425,000	- 18.5	952,000	1,809,000	- 47.4	3.4	5.2
Standard Indiana	7,676,000	7,957,000	- 3.5	559,000	608,000	- 8.1	22,399,000	23,949,000	- 6.5	1,411,000	1,538,000	- 8.3	6.3	6.4
Standard Ohio	3,175,000	3,704,400	- 14.3	487,300	470,000	+ 3.7	9,387,400	10,106,500	- 7.1	1,415,200	1,469,100	- 3.7	15.1	14.5
Sun Co.	3,800,000	3,700,000	+ 2.7	152,000	210,000	- 27.6	11,800,000	11,600,000	+ 1.7	386,000	628,000	- 38.5	3.3	5.4
Sundance Oil	21,780	9,199	+136.8	(9,795)	(3,752)		72,894	22,523	+223.6	(8,095)	(7,040)			
Superior Oil	499,823	499,785		37,411	80,811	- 53.7	1,536,394	1,496,872	+ 2.6	193,119	288,066	- 33.0	12.6	19.2
Tenneco	3,780,976	3,621,310	+ 4.4	182,304	140,990	+ 29.3	11,559,295	11,293,076	+ 2.4	484,179	506,616	- 4.4	4.2	4.5
Texaco Inc.	11,800,000	14,400,000	- 18.3	303,000	589,000	- 48.7	363,300,000	44,700,000	- 18.9	975,000	1,803,000	- 46.0	2.7	4.0
Tosco Corp.	901,970	900,655	+ 0.1	22,138	19,100	+ 15.9	2,552,219	2,529,999	+ 0.8	129,355	7,516	+ 16.2	5.1	0.3
Total Petroleum N.A.	553,224	583,401	- 5.2	8,267	(9,531)		1,649,284	1,725,600	- 4.4	7,504	(48,941)		0.5	
Transcontinental Engy	11,778	25,176	- 53.2	(2,278)	2,826		46,916	71,597	- 34.5	(5,010)	7,863			11.0
Union California	2,771,700	2,908,300	4.7	212,800	193,000	+ 10.3	8,163,000	8,384,800	- 2.6	578,900	555,400	+ 4.2	7.1	6.6
Universal Resources	13,926	16,837	- 17.3	1,494	3,601	- 58.5	45,518	46,425	- 0.2	6,724	9,922	- 32.2	14.8	21.4
Wiser Oil	13,073	14,339	- 8.8	2,248	2,900	- 22.5	40,913	47,506	- 13.9	9,391	11,890	- 21.0	23.0	25.0
Woods Petroleum	19,792	16,638	+ 19.0	4,864	4,523	+ 7.5	60,960	49,069	+ 24.2	16,535	13,264	+ 24.7	27.1	27.0
TOTAL	121,307,168	128,196,562	- 5.4	5,290,664	6,541,772	- 19.1	340,827,185	363,359,672	- 6.2	18,319,244	24,448,108	- 25.1	5.4	6.7

*Earnings available to common. **Excluding non-recurring items. ‡Profit Margin=Earnings ÷ Revenues. [1]Three months ending Aug. 31 with year ending May 31. [2]Fiscal year ends Sept. 30. [3]Ends April 30.

margin fell from 4.8 percent to 4.4 percent.

The depressed economy was blamed for United Energy Resources' 18.1 percent decline.

The El Paso Company reported a 31.6 percent drop in net income due to the reduction in gas market demand, reduced margins and volumes on sales of chemical products, and higher interest expense.

Columbia Gas System posted a net loss this quarter due to depressed natural gas sales, and reduced System natural gas and oil production.

Reduced customer demand for gas, increases in uncollectible accounts, and inflation were among the factors causing Peoples Energy net earnings to fall 4.7 percent.

InterNorth's net income declined 49.7 percent because of recession-depressed wholesale natural gas and petrochemical results.

Kansas-Nebraska Natural Gas earnings were adversely affected by reduced gas sales to irrigation and industrial customers and a decline in activity by their pipeline construction unit.

Consolidated Natural Gas attributes their 569 percent gain in third quarter earnings to the increase in gas sales made to non-affiliated pipelines and utilities.

Coastal Corp. reported net income of $21.2 million this quarter compared to $1.8 million last year. The increase reflects improvement in refining and marketing during the third quarter. ■

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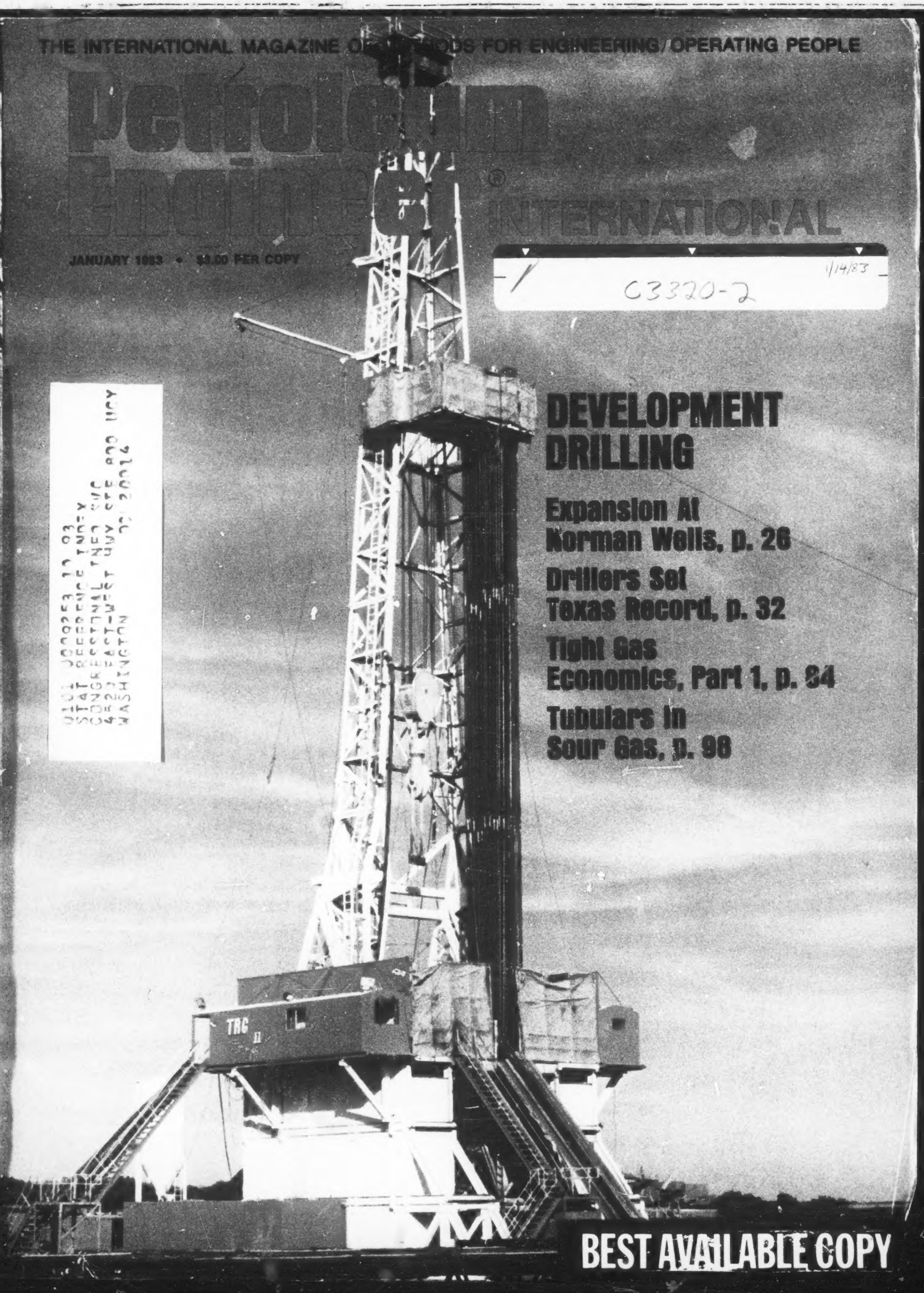

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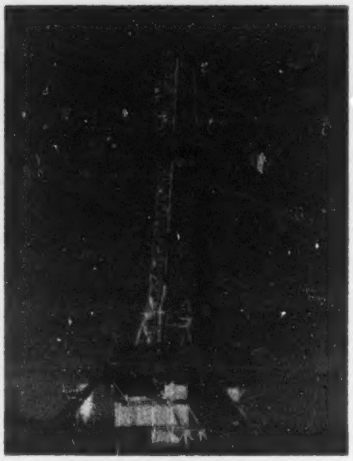

ABOUT THE COVER: Photo taken in Caddo County, Oklahoma, shows a Grace Petroleum Co. development well being drilled by Grace Drilling Co.'s Rig 11. For a report on development drilling, see page 21.

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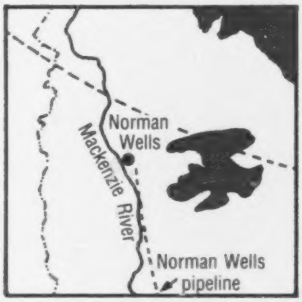

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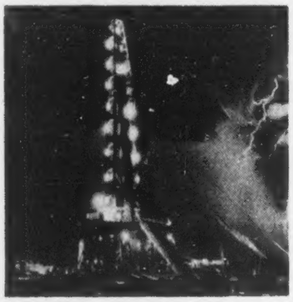

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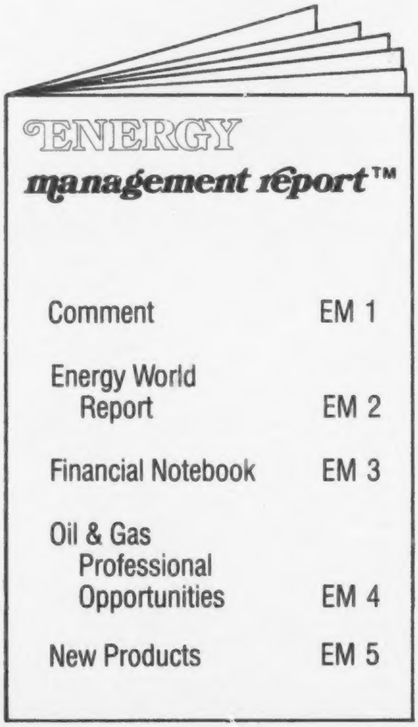

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Late Surge Boosts Rig Activity By 10%

By adding an average of 36 rigs per week to the U.S. rotary rig count between mid-October and early December, U.S. drillers increased the number of rigs at work in the country by more than 250. That is a 10% increase, but Canadian drillers did even better. They increased their country's rig count by 151 rigs during the same period, and that represents an increase of 89.9%.

Most observers look on the late season surge as a return to traditional U.S. drilling patterns that generally have seen yearly highs reached in late December. Frank Potter, director of public affairs for Hughes Tool Co., told us that he recently did a little ciphering which shows that yearly highs have occurred during the last 2 weeks of the year 73% of the time since 1949.

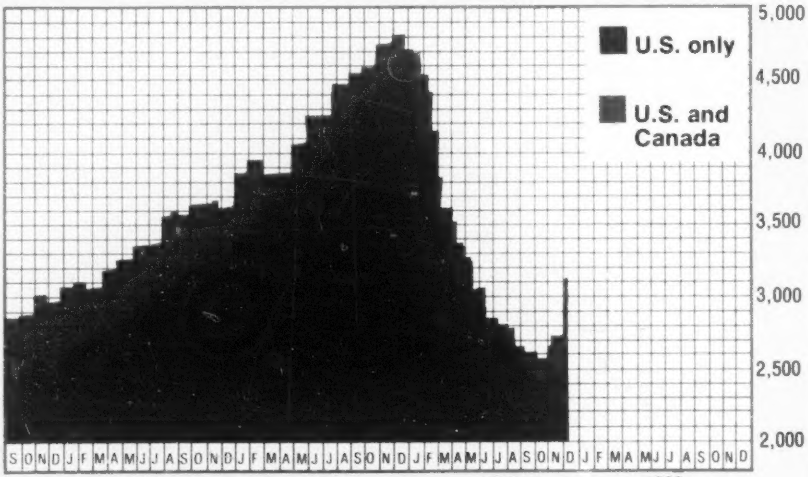
Lows, he said, occurred within the first 9 weeks of the year 57.7% of the time, and within the second 9 weeks 30% of the time. In 87% of the years from 1949 to 1979, therefore, lows have occurred during the first 5 months.

Rotary Rigs Actually Making Hole In United States & Canada

As Reported To International Association Of Drilling Contractors By Hughes Tool Co.

	Nov. 15, 1982	Nov. 22, 1982	Nov. 29, 1982	Dec. 6, 1982
Alabama				
Land	9	9	9	9
Inland Waters	2	2	2	2
Alaska				
Land	14	13	13	12
Offshore	3	3	3	3
Total Alaska	17	16	16	15
Arkansas	29	29	27	26
California				
Land	94	103	103	106
Offshore	23	22	19	20
Total California	117	125	122	126
Colorado	54	54	52	55
Florida	2	3	3	3
Hawaii	1	1	1	1
Illinois	82	78	77	80
Indiana	7	8	8	8
Kansas	140	140	143	143
Kentucky	10	8	6	6
North Louisiana	30	38	37	38
South Louisiana				
Inland Waters	51	50	46	53
Land	79	88	90	87
Offshore	114	117	117	119
Total Louisiana	274	293	290	297
Michigan	26	31	32	32
Mississippi	34	36	36	42
Montana	22	23	27	28
Nebraska	11	12	14	9
Nevada	3	3	3	2
New Mexico	81	87	89	91
New York	13	15	15	12

	Nov. 15, 1982	Nov. 22, 1982	Nov. 29, 1982	Nov. 6, 1982
North Dakota	44	48	47	49
Ohio	51	55	59	57
Oklahoma	340	351	367	362
Oregon	1	1	1	1
Pennsylvania	34	32	34	33
South Dakota	4	4	3	3
Tennessee	0	1	1	1
Texas				
Offshore	72	70	69	72
Inland Waters	8	9	8	9
Dist. 1-S. Central Tex.	33	38	35	43
Dist. 2-Middle Tex. Coast	29	34	29	23
Dist. 3-Upper Tex. Coast	98	95	97	96
Dist. 4-Lower Tex. Coast	94	97	100	100
Dist. 5-Northeast Tex.	12	15	16	18
Dist. 6-Far Northeast Tex.	76	84	84	86
Dist. 7B-North Central Tex.	62	54	65	68
Dist. 7C-West Central Tex.	61	72	75	77
Dist. 8-Far West Tex.	121	116	123	131
Dist. 8A-West Tex.	62	68	76	79
Dist. 9-North Tex	80	74	71	69
Dist. 10-Tex. Panhandle	50	51	57	50
Total Texas	858	877	905	921
Utah	35	34	32	37
Virginia	3	3	3	2
West Virginia	54	52	55	53
Wyoming	119	119	124	127
Total U.S.	2,477	2,550	2,603	2,633
Canada				
Land	242	283	305	316
Offshore	6	6	6	3
U.S. and Canada	2,725	2,839	2,914	2,952



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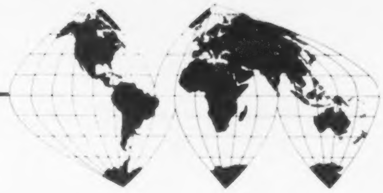
International Report



The basic vulnerability of the world economy to oil supply disruptions is far from being eliminated, according to the International Energy Agency's second World Energy Outlook.

Published by the IEA Secretariat late last year in Paris, the study projects energy and oil demand to 1990 and 2000 under a number of scenarios which show that today's surplus in the oil market conceals the underlying medium and long-term demand trends.

Energy markets and the oil market in particular, the study says, are likely to remain deceptively stable through the mid 1980s, but the results of the projections all point to a tightening in the oil market later in the decade.

Using a number of assumptions, scenarios in the IEA report foresee slackening overall energy demand together with relatively high levels of domestic oil production contributing to a decline in oil import demand by member countries of the Organization for Economic Cooperation and Development (OECD) over the next few years. Therefore, increased oil demand expected from OPEC and other developing countries is likely to be absorbed by the oil market without major strains in the short term.

World Energy Outlook projections show, however, that, after the mid-1980s, the oil market is likely to move into disequilibrium as growing world oil demand, especially in OPEC and other developing countries, runs up against falling production in North America, the North Sea, and the Soviet Union, plus reduced exports from some OPEC countries.

If these developments occur together with limited progress in substituting other fuels for oil, then the stage could be set for renewed erratic oil price movements. WEO also reiterates that unpredictable events in the Middle East remain a major risk that could precipitate another oil price shock – particularly in a finely balanced oil market.

Misleading Signals

In the shorter term, the report indicates that energy and oil prices may decrease significantly in real terms during 1983. There is a danger, however, that falling oil prices will send misleading signals to those involved in the energy market, resulting in complacency among consumers and hesitation among investors. As a result, necessary actions to overcome difficulties foreseen for the later 1980s and the 1990s may not be taken in time.

To avoid this, the study underlines the necessity for a concerted effort by governments and the private sector to continue the movement toward a more balanced structure of energy supply and demand in which the share of imported oil is reduced and other fuels are made available to replace it.

The report cautions that the demand-restraining effects of recent oil price increases will be gradually absorbed over time and, therefore, if market signals are not reinforced by strengthened energy policy actions now, energy demand will resume momentum, reversing progress already achieved.

The key issue continues to be whether continuing improvements in energy efficiency, along with substitution of other fuels for oil, will be brought about by the energy policy process. If not, they are likely to be forced upon industrial countries by recurrent sharp oil price increases resulting in constrained economic growth.

The IEA Secretariat report concludes that basic energy policies and the economic mechanisms to encourage a balanced energy market are largely in place in all OECD countries, but that there are no grounds for believing that energy problems have been solved. On the other hand, the report does reveal that the effective implementation of these policies, combined with the sharp oil price increases of a few

TABLE 1. OECD energy demand and the world oil balance (Figures are million b/d)[1]

OECD	**1980**	**1985**	**1990**	**2000**
Total primary energy	79.1	81-82	89-93	105-121
Non-oil energy demand	40.4	46	55-56	72-78
Oil demand	38.7	35-36	34-37	33-43
Oil import demand	24.2	21	20-24	18-30
World oil demand				
OECD	38.7	35-36	34-37	33-43
OPEC	2.9	4	5-6	8-9
Non-OPEC LDCs[2]	7.9	9-10	11-13	17-22
Total	49.5	48-50	50-56	58-74
World oil supply				
OECD[3]	14.8	15	14-13	15-13
OPEC[4]	27.5	23-26	27-29	24-28
Non-OPEC LDCs	5.3	8-9	8-11	9-13
CPE[5] net exports (imports)	1.3	1-(1)	0-(2)	0-(2)
Processing gains[6]	0.6	0.6	0.6	0.6
Total	49.5	48-50	50-52	49-53
Excess demand	—	—	0-4	9-21

1. Conversion factor: 1 million b/d = 48.2 million tons of oil equivalent (toe). 1 toe = 7.57 bbl.
2. Non-OPEC developing countries (also includes South Africa and Israel).
3. Including synfuels.
4. OPEC estimates are basically for "possible" production as indicated by reserves and projected additions to reserves. In addition, estimates for 1985 reflect low demand. For 1990 and 2000, oil production in capital-surplus countries such as Saudi Arabia, Kuwait, and Abu Dhabi is less than technical capacity.
5. Centrally planned economies: European and non-European Comecon countries, China, North Korea, Laos, Cambodia, Yugoslavia, and Albania.
6. Gains in volume (not in weight) due to the refining process.

years ago, already has yielded positive and, it is hoped, lasting results.

Stable Oil Production

Overall world oil production, outside the centrally planned economies (CPEs), is not expected by IEA to grow much beyond its 1980 level of roughly 50 million b/d. Because of the recent reductions in world demand, oil production, particularly in OPEC countries, still may be below available capacity during the mid-1980s. But, towards the latter part of the 1980s and into the 1990s, oil markets are expected to tighten substantially when demand will once again match available world supplies.

Barring political disruptions, OPEC is expected to maintain its share in total oil supply at roughly 50%. Responding to a resumption in growth in demand, its production may return to levels of around 28 million b/d by 1990, but must be expected to level off after that period as a result of more tangible depletion concerns in a number of countries and significant production declines in others. At the same time, amounts available for export of either crude or oil products will shrink as OPEC's domestic consumpton grows an estimated threefold, to some 8 million to 9 million b/d by the year 2000.

The IEA report says there are favorable prospects for increasing oil production in other developing countries. Because a number of these countries are only beginning to explore and tap their reserves, a doubling of their aggregate production, up to about 13 million b/d, seems possible. Much of the growth in output will come from Mexico, the emerging major producer outside OPEC. But growing oil demand will continue to outpace production in developing countries.

Zero Contribution

A virtual zero trade position is assumed by IEA regarding the aggregate contribution of the CPEs to the world oil market, but there is some possibility that the group may become a small net importer of oil by the late 1980s. While oil production in China is expected to increase in the long run, Soviet oil output appears to be reaching a plateau, and may level off in the future. Resulting trends towards more CPE purchases in the world market, however, might be effectively constrained by scarcity of hard currency. In that case, the inability to meet desirable levels of oil use would contribute to low economic growth rates, particularly in the smaller Comecon countries.

OECD oil production, which was just under 15 million b/d in 1980, is expected by IEA to decline after the mid-1980s, and only unexpectedly large reserve additions or substantial volumes of synthetic liquids can keep oil output from dropping further in the 1990s. Under this assumption, oil production (including synthetic oil) in OECD countries may rise again to levels of around 15 million b/d by the year 2000.

Natural Gas Share

The share of natural gas in total energy use is unlikely to grow over the next 20 years. Because energy price levels are critical to both gas use and domestic production, only rising oil prices would provide the climate for further expansion of natural gas. Even under those circumstances, however, the share of natural gas would remain stable at around 19% for total OECD by the end of the century.

The importance of natural gas will vary regionally, however. In North America, where high gas use was sustained by domestic production in the past, constrained gas output may lead to a decrease from a present share of more than 25% to 16%-21% in the 1990s. In contrast, gas is projected to grow in importance in the Pacific region from only 7% to 13%-17%. In Europe, where natural gas now accounts for 14% of total energy, the future share could range from 12% to 16%.

Even to maintain a stable share of natural gas, significant additions to OECD gas supply will have to come from expanded trade with non-OECD producers. Aggregate OECD gas production is not likely to increase significantly. Existing geological resources are depleting, and only under the assumption of rising oil prices is there an outlook that production can be kept at about present levels through development of new deposits, mainly in Canada, the United Kingdom, Norway, and Australia. Gas imports, therefore, would tend to grow five to sixfold over the next 20 years.

Large amounts of gas would be available from the USSR, Algeria, Indonesia, Mexico, and some other potential producers. Conversely, dependence of OECD countries on imported gas is bound to increase. In Europe, in particular, imports now account for 12% of total gas supplies, but could grow to 45% to 50% by 2000, representing about 6% to 8% of total primary energy requirements.

The actual size of future gas imports will depend on the extent to which appropriate solutions can be worked out with respect to the two major issues associated with gas trade – price and security of supply. There is great uncertainty about the levels to which gas prices should adjust in the future.

In purely economic terms, gas use will increase in consumer markets only if competitive prices make it attractive as an alternative to other fuels. At the same time, utilities considering long-term supply contracts and investment in capital-intensive gas infrastructure depend on a reasonable outlook for secure returns from their projects. Prices at the producer level will have to make allowance for these concerns if gas trade is to grow. In fact, attempts by some producers to peg gas prices to crude oil on a long-term basis tend to reduce existing price diffentials and may seriously limit the scope for increased use of imported gas in OECD countries.

As gas imports tend to grow, IEA warns, arrangements will have to be made to see that oil dependence, while being significantly diminished, would not simply be replaced by a new vulnerability to disruptions in external gas supplies. Possible risks could be contained by a number of preventive measures, such as integration of existing gas grids, additional storage, and surge production capacity.

(Continued)

In addition, fuel-switching possibilities at the level of individual power or industrial plants can contribute to greater supply security. All these methods are costly, however, and they require time to come on stream. IEA concludes, therefore, that they will represent an upper limit to the growth of gas imports.

The International Energy Agency was established in 1974 by the Organization for Economic Cooperation and Development to found an international energy program. The OECD was formed in 1960. Its members are Australia, Austria, Belgium, Canada, Denmark, Finland, France, the Federal Republic of Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States.

The first oil production in the Baltic Sea came a step closer recently when Deutsche Texaco AG and Wintershall AG decided to proceed with development of the Schwedeneck See field located approximately 3 miles offshore West Germany. The field was discovered 4 years ago by a joint venture in which both companies have a 50% interest.

Two permanent drilling and production platforms are to be installed, and 14 producing wells are to be drilled directionally to reach the oil-bearing sandstone at a depth of about 4,900 ft. Production is estimated to begin in late 1984.

The platforms will be connected by a buried pipeline system leading to a land station near the village of Waabs, located about 2 miles from the coast. The oil will be pretreated at the land station and then pumped through an 8-in. pipeline to Deutsche Texaco's Heide refinery.

Marine geologists of the United States Geological Survey, working under an agreement with Australia and New Zealand, report some encouraging results from an assessment of the petroleum potential of the southwest Pacific Ocean.

The geologists, David W. Scholl and Tracy L. Vallier, suggest that sedimentary rocks and structures under the southern Tonga platform seem to have geologic potential for oil and gas resources, but they point out that any meaningful evaluation of the petroleum potential can only come after studies of rocks dredged from the ridge, and after examination of fully processed, multifold reflection profiles.

Scholl and Vallier believe, however, that trial sampling carried out last year from the USGS research vessel S. P. Lee justifies design of a dredging program to sample the platform's entire sedimentary sequence more adequately. They say that defining the ridge's history of vertical tectonism is crucial to assessing its resource potential.

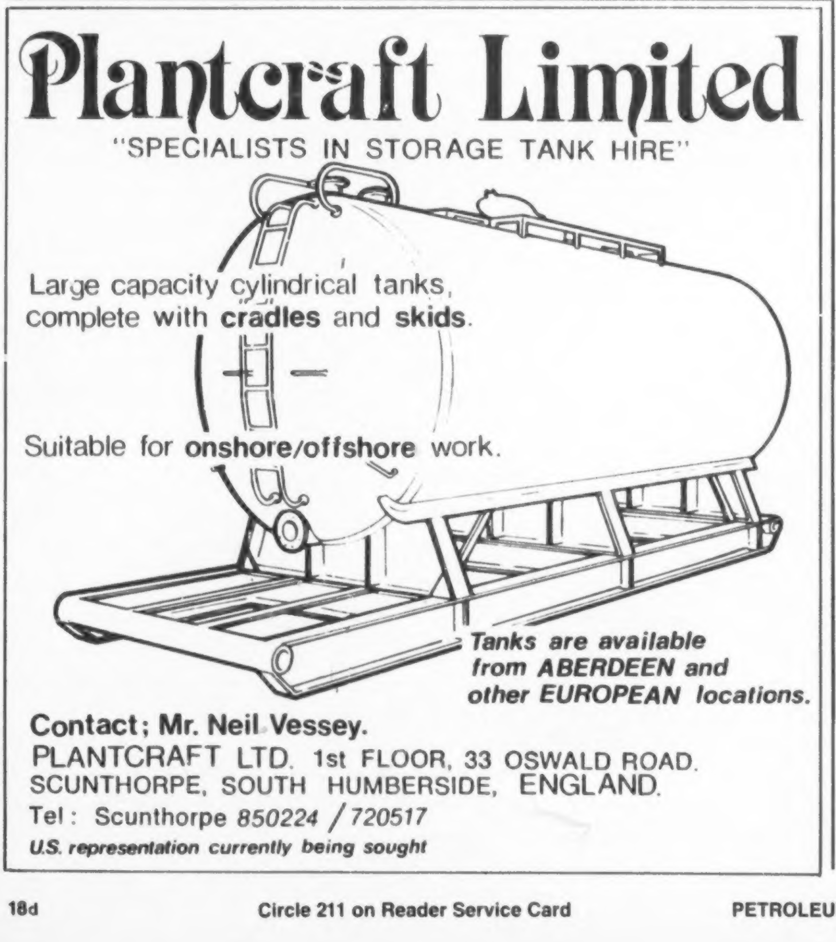
Among the geologic problems that need clarification are:

- Are the mound-like bodies acoustically detected within the western or thicker parts of the platform sections in fact mid-Tertiary reefs, or could they be volcanic or intrusive masses related to arc volcanism?
- Is there any organic geochemical evidence (provided by laboratory studies of the dredged rocks) that the platform section has generated or been the habitat for petroleum hydrocarbon products?

An oil discovery in eastern Colombia was tested at a combined rate of 6,800 b/d from four zones.

The well, Cravo Sur No. 1, was drilled in the Casanare contract area by a group comprising Elf Aquitaine Colombia S.A., the operator, Houston Oil & Minerals of Colombia Inc., and LL&E Colombia Inc. It was drilled to a total depth of 11,500 ft, and tested oil from three Cretaceous-age reservoirs and one of Tertiary age. Rates ranged from 466 to 3,700 b/d of medium-gravity sweet oil and low gas-oil ratios.

The companies are exploring in association with Ecopetrol. ■



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International Rotary Rig Report, prepared by Hughes Tool Co.
(Figures in parentheses indicate how many
of each country's rigs are offshore rigs.)

	Oct. 1981	Sept. 1982	Oct. 1982
Africa			
Algeria	74	90	90
Angola	8(6)	13(9)	13(9)
Benin	0	1(1)	1(1)
Cameroun	6(6)	7(6)	7(6)
Chad	1	1	1
Gabon	15(11)	10(8)	10(8)
Guinea	0	1(1)	1(1)
Ivory Coast	6(6)	4(4)	5(5)
Libya	33(2)	28(1)	28(1)
Morocco	6(1)	5	5
Niger	5	1	1
Nigeria	28(9)	25(10)	25(10)
Congo	7(5)	5(4)	5(4)
Zaire	3(1)	2(1)	2(1)
Senegal	0	1	1
Sierra Leone	0	1(1)	1(1)
South Africa	2(2)	2(2)	2(2)
Sudan	2	2	2
Tunisia	11(3)	11(3)	11(3)
	207(52)	**210(51)**	**211(52)**
Europe			
Austria	10	8	8
Denmark	2(2)	2(2)	2(2)
France	30(2)	14	13
Germany	28	31	31
Greece	6(3)	4(2)	4(2)
Holland	19(9)	23(15)	23(15)
Ireland	0	0	1
Italy	33(8)	34(7)	34(7)
Norway	12(12)	11(11)	13(13)
Portugal	1	1	1
Spain	9(2)	12(5)	12(5)
Switzerland	1	1	1
United Kingdom	58(53)	54(53)	55(54)
Yugoslavia	22	25	25
	231(91)	**220(95)**	**223(98)**
Far East			
Bangladesh	5	7	6
Brunei	7(6)	11(8)	12(8)
Burma	31	33	33
India	45(8)	51(11)	51(11)
Indonesia	89(29)	96(36)	91(33)
Japan	17(2)	21(2)	23(2)
Malaysia	12(12)	14(14)	13(13)
Pakistan	15	17	17
Philippines	15(3)	13(3)	11(2)
Sri Lanka	1(1)	0	0
Taiwan	7(1)	2(1)	1(1)
Thailand	8(5)	8(5)	8(5)
	252(67)	**273(80)**	**266(74)**
Latin America			
Argentina	55(4)	69(1)	59(1)
Barbados	1	1	1
Bolivia	14	10	10
Brazil	85(29)	95(33)	93(31)
Chile	7(4)	7(3)	7(3)
Colombia	22	19	23(1)
Costa Rica	0	1	1
Dominican Rep.	1	1	0
Ecuador	4	5(1)	6(1)
Guatemala	7	2	2
Mexico	220(19)	194(23)	194(23)
Paraguay	1	0	0
Peru	27(6)	22(6)	21(6)
Trinidad	15(7)	15(6)	12(4)
Venezuela	65(15)	70(17)	73(19)
	524(84)	**511(90)**	**502(89)**
Middle East			
Abu Dhabi	35(16)	45(27)	44(27)
Bahrain	1	1	1
Dubai	3(2)	3(3)	2(2)
Egypt	30(19)	39(25)	40(22)
Iran	0	0	11(2)
Iraq	5	5	28
Kuwait	3	5	5
Oman	11	12(2)	12(2)
Qatar	6(3)	5(2)	5(2)
Ras Al Khaimah	1	2(1)	2(1)
Saudi Arabia	29(13)	29(12)	29(12)
Sharjah	3(1)	3	3
Syria	16	15	15
Turkey	26	43	43
Umm Al Qaiwain	1	1	1
	170(54)	**208(72)**	**241(70)**
South Pacific			
Australia	34(7)	32(9)	28(8)
New Zealand	2(1)	1	1
	36(8)	**33(9)**	**29(8)**
North America			
Canada	214(7)	163(10)	198(6)
United States	4,339(259)	2,439(230)	2,380(226)
Totals	**5,973(622)**	**4,057(637)**	**4,050(623)**

Delta-Beaufort Sea resources that could see production before the end of the decade. Early stages of the program could see a small-diameter pipeline built from the Beaufort Sea to link with a line to be constructed from Norman Wells to northern Alberta.

Esso says such a small-scale approach could be brought on stream 2 to 4 years in advance of major development. And it could provide valuable data and information on which to plan larger development projects.

Elsewhere in the arctic, Panarctic Oils Ltd., as the operator for 66 companies, has just reached an agreement with the Canadian government covering 13 offshore and 7 onshore exploration projects. The largest package of exploration agreements concluded at one time under the government's National Energy Program and the new Canada Oil and Gas Act, the program covers some 35.5 million acres and could result in the expenditure of approximately $700 million over the next 5 years.

U.S. Prospects

Development drillers in the U.S. are excited these days about the Santa Maria Basin area offshore Southern California where finds late last year by Chevron USA and Phillips Petroleum and by a Texaco group indicate a giant oil discovery. Texaco already has ordered a 48-slot platform for development of its discovery, and total recoverable reserves for the basin are being put at between 1 billion and 2 billion barrels of oil.

Elsewhere in the U.S., development drillers tend to be pessimistic about 1983 despite glowing reports about oil field economics. The Tulsa marketing consultant Robert A. Spears, for example, told a Valve Manufacturers Association workshop in Houston recently that domestic oil and gas producers' profitability has never been better. "Compared with 1981," he said, "the weighted value of oil and gas at the wellhead is up about 2%. Costs are down 25% to 30%."

NL Industries Inc., however, says that "Weakness in the economy, reduced natural gas demand, lower levels of external funding, and a general sense of caution throughout the petroleum industry" are expected to prevail during early 1983. Thereafter, the company says, drilling activity should increase gradually during the balance of the year. Rowan Drilling Co. expects onshore rig utilization in the U.S. to stay below 75% all year.

But Exxon USA says its goal this year is to increase domestic reserves. And it plans to accomplish this by "exploring thoroughly areas with oil and gas potential and by developing discoveries rapidly". This tactic enabled Exxon USA in 1981 to add more to its onshore reserves (excluding Alaska) than it produced. And that was the first time such a thing had happened since the late 1960s. ■

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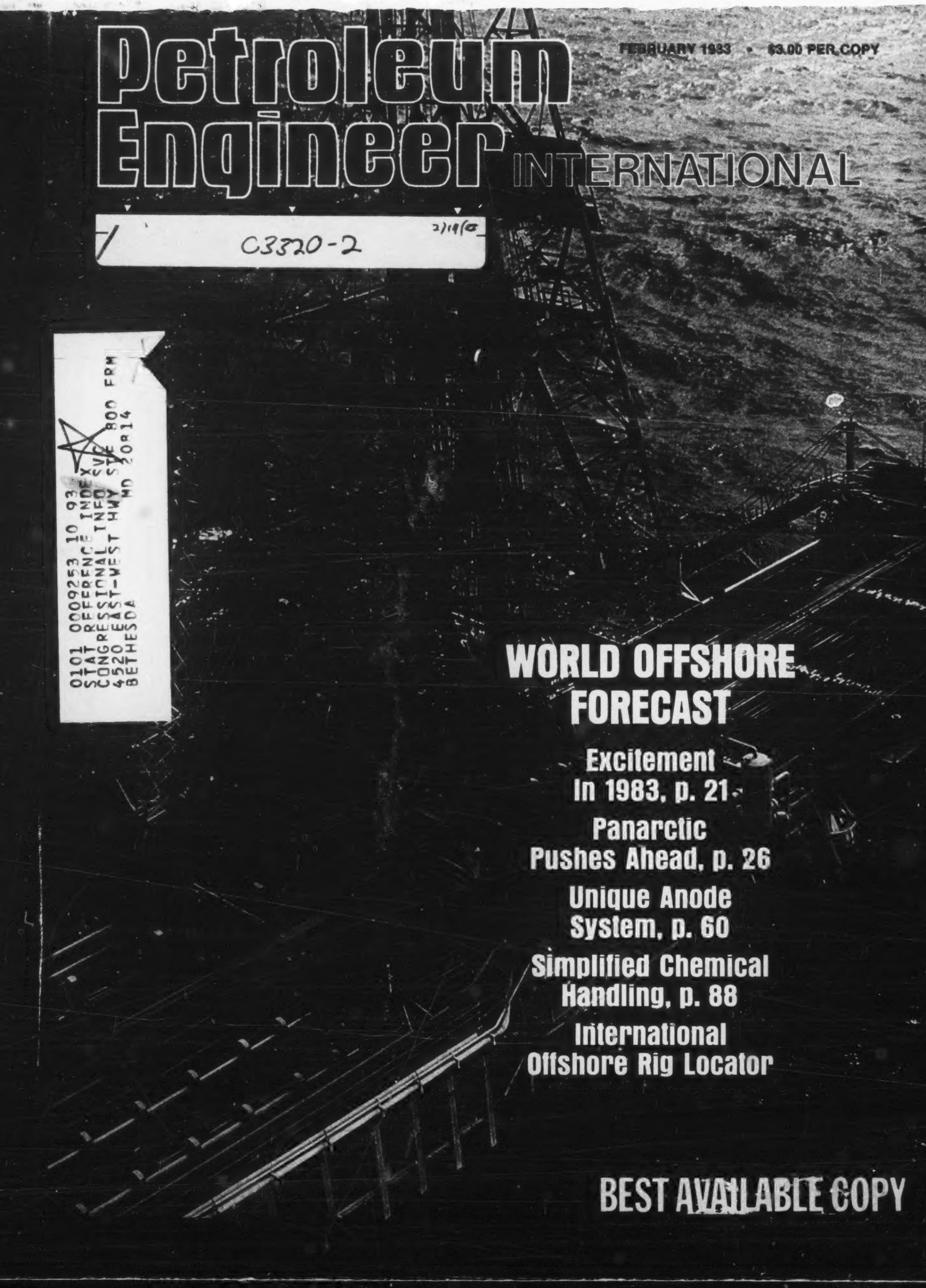

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Simplified Chemical Handling, p. 88

International Offshore Rig Locator

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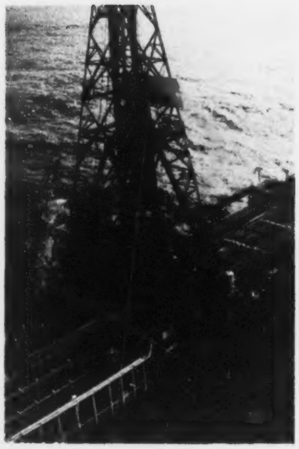

ABOUT THE COVER: The drillship Glomar Atlantic is shown drilling the Texaco U.S.A. group's well that confirmed the big oil discovery recently in the Santa Maria Basin offshore Southern California.

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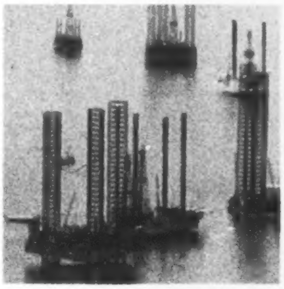

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R-1 International Offshore Rig Locator

Mechanical specifications, ratings, locations, status, etc., of the almost 1,000 contract rotary drilling rigs operated by independent offshore drilling contractors throughout the Free World.

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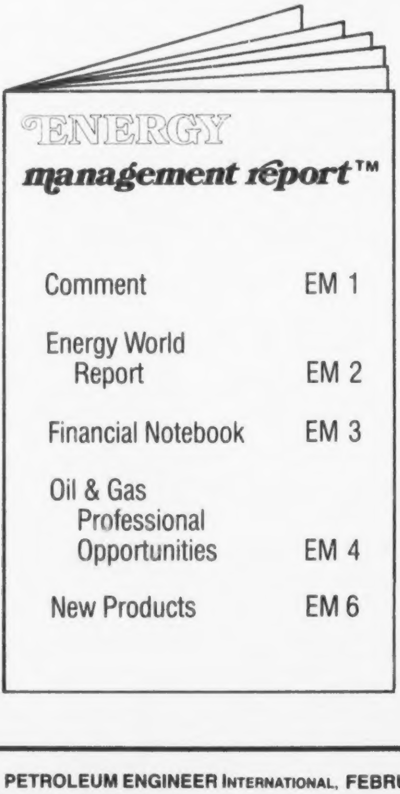

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Engineering Profits into Energy Operations

1982 Rotary Rig Activity Second Only To 1981

Final figures for 1982 put the rotary rig count average at 3,104.8, which is a far cry from 1981's 3,973.5 but still is good enough for 1982 to claim the title as the second best drilling year in U.S. history.

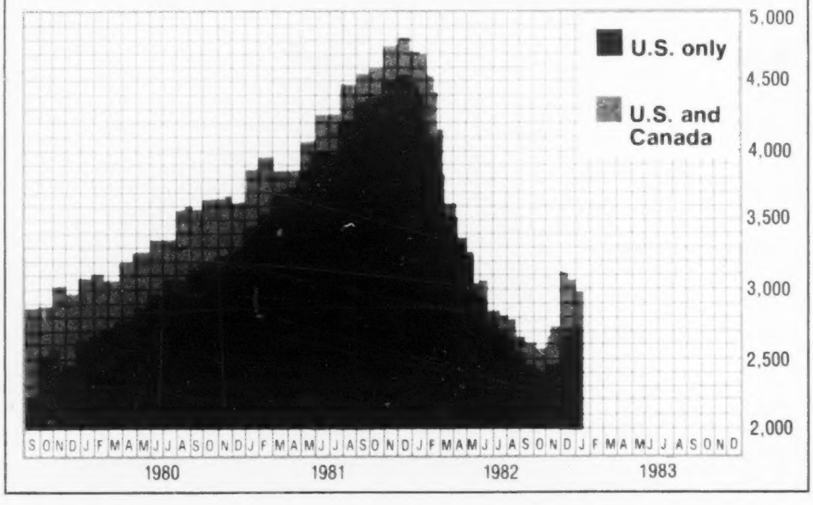
Completions-wise, 1982 is No. 1. Early statistics compiled by Petroleum Information Corp., Denver, Colo., put 1982 completions at 84,693 – a 7.4% increase over the 78,884 completions Petroleum Information lists for 1981. Total footage recorded by PI for 1982 is 398.75 million, an increase of 34.3 million ft (9.4%) over the 1981 total. The average completion in 1982 was 4,708 ft deep, or 88 ft deeper than the 1981 average.

Most of 1982's completions were development wells. The 67,134 development wells counted by PI represent a 7% increase over 1981, and they include 37,576 oil wells and 15,240 gas wells.

Rotary Rigs Actually Making Hole In United States & Canada

As Reported To International Association Of Drilling Contractors By Hughes Tool Co.

	Dec. 20, 1982	Dec. 27, 1982	Jan. 3, 1983	Jan. 10, 1983
Alabama				
Land	13	14	14	11
Inland Waters	2	2	2	2
Total	15	16	16	13
Alaska				
Land	14	16	16	13
Offshore	3	3	2	2
Total	17	19	18	15
Arkansas	20	19	24	26
Arizona	0	0	0	1
California				
Land	98	105	107	103
Offshore	16	16	18	20
Total	114	121	125	123
Colorado	54	57	71	69
Florida	3	3	3	3
Hawaii	1	1	1	1
Illinois	79	75	76	55
Indiana	8	8	7	8
Kansas	147	160	152	139
Kentucky	6	4	5	3
North Louisiana	38	39	38	48
South Louisiana				
Inland Waters	58	57	61	63
Land	85	96	100	99
Offshore	122	127	125	131
Total	303	319	324	341
Michigan	38	36	38	42
Mississippi	38	41	39	39
Montana	30	27	27	30
Nebraska	12	9	7	7
Nevada	2	2	1	1
New Mexico	106	106	108	91
New York	17	20	16	16
North Dakota	50	50	45	47
Ohio	67	71	78	68
Oklahoma	345	348	368	378
Pennsylvania	36	31	28	26
South Dakota	2	2	1	1
Tennessee	1	0	1	1
Texas				
Offshore	70	66	63	62
Inland Waters	11	11	8	9
Dist. 1-S. Central Tex.	38	32	26	27
Dist. 2-Middle Tex. Coast	43	47	46	46
Dist. 3-Upper Tex. Coast	105	124	130	131
Dist. 4-Lower Tex. Coast	114	112	117	112
Dist. 5-Northeast Tex.	19	20	20	17
Dist. 6-Far Northeast Tex.	85	84	81	87
Dist. 7B-North Central Tex.	65	72	76	72
Dist. 7C-West Central Tex.	68	77	72	72
Dist. 8-Far West Tex.	136	125	121	115
Dist. 8A-West Tex.	78	74	70	67
Dist. 9-North Tex.	79	81	77	79
Dist. 10-Tex. Panhandle	52	52	47	55
Total	963	977	954	951
Utah	40	43	38	39
Virginia	4	3	2	2
West Virginia	52	57	49	55
Wyoming	138	143	134	132
Total U.S.	2,708	2,768	2,756	2,723
Canada				
Land	361	347	232	235
Offshore	3	5	6	6
U.S. and Canada	3,072	3,120	2,994	2,964



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Fire Study Covers Causes and Cures

An offshore fire that begins with an explosion is about twice as likely to develop into a large fire as one that starts without an explosion, according to a study conducted by the Research Division of Det norske Veritas. The study, a statistical survey of fire and explosion accidents in the Gulf of Mexico, considered the causes, the development, and the consequences of the more than 300 such accidents that occurred in the Gulf between 1956 and the end of 1981. Accidents, the study says, which caused the deaths of about 80 persons and injured more than 200 others.

Specifically, the DnV study focuses on the official reports for 140 accidents that occurred in the Gulf from 1975 to 1980. Two of the accidents resulted in loss of the platform. In both cases, the well blew out and then caught fire.

Nine accidents caused what the study calls major damage to the platforms, but only one of them was caused by a blowout followed by a fire.

Damage Limited

More than half of the accidents (72) resulted in little or no damage. In another 32% of the cases, damage was limited to localized platform units.

In categorizing offshore accidents, the DnV study indicates that almost half (46%) of the accidents were caused by mechanical failure. Eleven accidents (7.9%) were caused by unsafe design. And unsafe acts and procedures contributed to a combined total of 50 accidents, or 35.7%.

TABLE 1. Number of accidents for each property damage class

Damage class	Extent of damage	Number of accidents	Percent of accidents
Loss	Loss of platform	2	1.4
Major	Major damage to platform	9	6.4
Local	Major damage to local area	13	9.3
Minor	Damage to local units	44	31.4
Nocons	Little or no damage	72	51.4

In the category "unsafe acts or procedures", 90% of the accidents are minor. And 78% of the "mechanical failure" accidents are minor, although mechanical failure is the most important category for accidents in the "serious" category.

Summertime (from April through September) is most conducive to injuries, according to the DnV study, which found that the average number of fire and explosion accidents during the years 1972 through 1977 was 17.2 in the summer and 12.2 in the winter. As for time of day, the study indicates that the number of accidents reaches its peak during the noon hours, from 11 a.m. to 1 p.m. Breaking this down, the study shows that accidents due to unsafe acts or procedures happen more frequently during the middle of the day. Some 26 out of 40 accidents in these categories (65%) occurred between 8 a.m. and 4 p.m., the hours when offshore activity levels are highest.

Of fuels involved in fires and explosions, the DnV study shows that gas, which has been present in 64% of the incidents, is predominant. The relative frequency of involvement of oil, condensate, and diesel fuel, however, is shown to be higher for the more-serious accidents than it is for less severe ones.

Fires Mostly Small

Approximately 75% of the fires were reported as small fires, which means that they involved local units only. Another 15% of the fires were of medium or large sizes – meaning they involved several units or the entire structure.

Of the 15 large fires studied, eight started as small fires and developed into large ones. The other seven started as large fires, which means that the fires had become large before any reactions or firefighting were initiated. Two of these large fires started with blowouts followed by ignition. This means that a large fire can either start as a small fire, or it may immediately burst into a large fire.

Explosions were involved in 19 of the accidents. Most of the explosions (16) were small and caused little or no damage. Three of the explosions caused extensive local damage. The 19 explosions were distributed as:

- 1 – fire followed by small explosion.
- 5 – explosion only.
- 9 – explosion followed by small fire.
- 4 – explosion followed by large fire.

Thus, in 26% of the cases, the explosion occurred without a fire. Of the fires occurring after an explosion, 70% are small, while 30% are large. This indicates, DnV says, that a fire initiated by an explosion has about twice as much chance of developing into a large fire as a fire that starts without an explosion.

Smoke Observation

Smoke reportedly was important in 10 of the incidents studied. In three cases, the fire was detected by observation of smoke; and inhalation of smoke and dry chemicals was the cause of injuries in two of the accidents.

In five cases, smoke was an obstruction to the firefighting (in four of these cases, the smoke was so heavy that it prevented personnel from entering the area to fight the fire).

The unit of equipment most often involved in offshore fires and explosions seems to be the compressor, which was cited in 24% of the incidents studied. Engines and generators also are involved in large numbers of incidents, with 15% and 14%, respectively. DnV points out, however, that the relative numbers of different kinds of equipment are different for the different damage classes. Engines and glycol equipment, for example, are involved in a number of smaller accidents, but they are not involved in any of the more serious accidents involved in the Gulf of Mexico study.

TABLE 2. Property damage by accident category, indicating number of accidents within each class and category

Basic accident Category	Property damage class					Sum	Percent
	Loss	Major	Local	Minor	Nocons		
Act of God	0	0	1	0	2	3	2.1
Improper design	0	0	0	6	5	11	7.9
Jury-rigged system	0	0	0	1	1	2	1.4
Mechanical failure	2	4	8	20	30	64	45.7
Ship collision	0	1	0	0	0	1	0.7
Unsafe act	0	1	0	2	6	9	6.4
Unsafe procedure	0	2	1	10	18	31	22.1
Other	0	1	3	5	10	19	13.6

Ignition Source

The most prevalent ignition source for offshore fires seems to be "engines and exhausts", which were involved in 45 accidents – both minor and major.

"Welding/cutting" and "electric" are cited as the ignition sources in 17% and 15% of the accidents, respectively. In the more serious accident categories, however, eight accidents were electrically ignited, while only one was ignited by welding/cutting.

Leaking flanges and unions appear to be the most important fuel source for offshore accidents, with 26 of them having been responsible for both small and large fires or explosions. Tanks, vessels, pits, etc., are second in importance, with 18 incidents, and valves are third, with 16 citations.

Gas through the exhaust was the fuel source in eight of the fires, all of which resulted in small property damage.

Accident reports for a number of the incidents studied include more than one initial event – for example both a leak and a welder might be given as the initial event for the same accident. Nevertheless, leaks were cited as the initial event in 37 of the accidents (26%). Welding/cutting was mentioned in 24 incidents (17%), and startup of engines or generators was involved 19 times (14%). None of the startup accidents, however, involved large property damage.

Weather conditions were reported as being important in 17 accident cases, in 3 or 4 of which calm weather with no wind allowed gas to accumulate. In another case, wind is suspected of having blown slag from a cutting, thereby causing ignition. In three cases, wind blew the fuel in the direction of the ignition source.

In two cases, lightning caused ignition, and in two other cases it was the probable cause of ignition.

Strong winds helped spread the flames in two cases, and in two other cases strong wind is said to have been a contributing factor to the accident.

In one case, the direction of the wind made extinguishing the fire easier.

Manual Detection

In 92 of the cases studied, the presence of fuel was not detected before the ignition occurred. In the 34 cases in which the presence of fuel was detected before the fire started, 30 were by manual detection and four by automatic detectors.

Because gas was the fuel in as much as 64% of the accidents, it seems remarkable that only four cases were detected by gas detectors. An explanation put forth by DnV is that the sensors might not have been situated in such a way as to detect the real presence of gas. The reports do not say if gas detectors reacted after the leak had been detected in other ways, however, so this may have been the case for some of the accidents.

Most of the accidents (122 of them) were detected by people who saw the fire or explosion. In another 10 cases, the fire was detected by people seeing smoke or hearing noise. Three fires were detected by automatic fire detection systems.

Most offshore fires are put out by the use of hand-held fire extinguishers, according to the DnV study which lists 47 (or 34%) of the fires studied as having been extinguished that way. Another 30 fires were put out by hand-held extinguishers in cooperation with other means of extinction, and 29 fires burned themselves out due to lack of fuel. In 18 cases, water from assisting boats was used to put out the fire.

Firefighting is reported to have started immediately or within a minute after detection in 65% of the cases. And 36% of the fires were extinguished either immediately or within a minute. Some 20 fires lasted for more than an hour.

Regarding safety systems, the DnV study reports that emergency shutdown systems worked properly in 11 cases. In one case the system did not work because fusible plugs around a burning pump didn't melt.

Automatic Systems

Automatic firefighting systems are reported to have worked in six cases. They are reported not to have worked in two cases – in one of which the system didn't work because of internal corrosion of a firing pin. In the other case, heavy duty CO_2 equipment didn't work because it was either burned or isolated by the intense heat.

Blowout preventers reportedly failed in two cases. And in one case a gas detector system that should have shut down the generators somehow failed to operate.

Low-pressure sensors should have shut off the fuel in two cases. In one case it did. In the other it didn't because the pressure decrease was too low.

Three major accidents occurred on platforms with personnel who had not received training in firefighting. DnV says that in one of the accidents, the lack of firefighting training was the most important factor contributing to the gravity of the accident. In one of the other cases, it also seems that lack of training made the firefighting less efficient.

Firefighting equipment reportedly was in satisfactory condition in all but two of the accidents. In one case, the automatic extinguishing system did not operate when triggered. And in the other case, the rig's fire hose stations were not equipped with fog nozzles. This did not affect the accident, however.

Equipment Inaccessible

In one case, the firefighting equipment was inaccessible because of the accumulation of excessive equipment and pipe connections. In this case, the fire was extinguished by shutoff of the gas supply.

Human action was found to be the main or a contributing factor in 31% of the accidents surveyed. In another 6% of the accidents, indications are that human actions might have been of influence. Better control or maintenance, for example, might have prevented the accident in the first place.

TABLE 3. Property involved in fires and explosions (Some accidents include more than one of the equipment types.)

Equipment	Property damage class				Sum	Percent of cases
	Major	Local	Minor	Nocons		
Engines	0	0	3	18	21	15
Glycol equipment	0	0	3	5	8	6
Generator/turbine generators	2	3	6	8	19	14
Compressors	0	3	9	21	33	24
Line heaters	0	1	2	0	3	2
Pumps and pump drivers	1	3	4	5	13	9
Riser, pipes, tanks, drains, etc.	6	1	3	13	23	11
Other equipment	0	3	15	14	32	23

Human factors seem to be more often the cause of less-serious accidents than of the more-serious ones.

The 140 accidents examined by DnV resulted in seven deaths and 90 cases of injuires. By far, the most dangerous accident category is "unsafe procedure", which accounted for six of the deaths and 42 of the injuries.

Most of the deaths happened in connection with accidents that also included severe property damage. Major accidents accounted for 82% of the deaths, but for only 17% of the total number of accidents.

For injuries, this tendency is not so predominant. The numbers of injuries per accident show that accidents that include more property damage also cause more injuries. Major accidents accounted for 38% of the injuries.

Kicks and Blowouts

The most dangerous initial events of accidents seem to be kicks and blowouts, which cause eight times as many deaths and four times as many injuries as does the average accident. Another finding of the DnV study is that accidents where gas is present result in deaths and injuries more often than do other accidents.

TABLE 4. Ignition sources for the accidents studied

Ignition source	Property damage class					Sum	Percent of cases
	Loss	Major	Local	Minor	Nocons		
Unknown	2	3	1	10	6	22	16
Welding and cutting	0	1	0	4	19	24	17
Engines and exhausts	0	2	5	12	26	45	32
Sparks (not electrical or exhaust)	0	1	0	0	4	5	4
Electric	0	1	7	6	7	21	15
Hot surface (other than engine and exhaust)	0	0	0	0	0	0	0
Lightening	0	0	0	1	3	4	3
Self ignition	0	0	0	1	0	1	1
Cigarette, lighter, match	0	0	0	0	1	1	1
Other	0	1	0	6	4	10	7

Gas was present as fuel in 78% of the cases which resulted in deaths or injuries. For the 12 incidents in which gas was ignited by welding or cutting, injuries occurred in nine of them. The average injury rate for those cases is 1.08 injuries per accident, mainly because the gas is ignited close to the person using the welding or cutting equipment.

As might be expected, the DnV study finds that accidents that include explosions are more dangerous than accidents that include only fires. The death rate is 33 times as high and injury rate eight times as high for fires that include explosions than for fires that do not.

Regarding prevention of accidents, the study indicates that design changes might have prevented 37 of the accidents, and that better inspection would have helped in 34 others. Checking for and removing hydrocarbons before welding or cutting is recommended in 19 cases. The most often suggested design change is to vent exhausts differently. It was recommended in 11 cases.

Nine accidents were caused by unsafe acts, and recommendations for preventing such accidents in the future include:

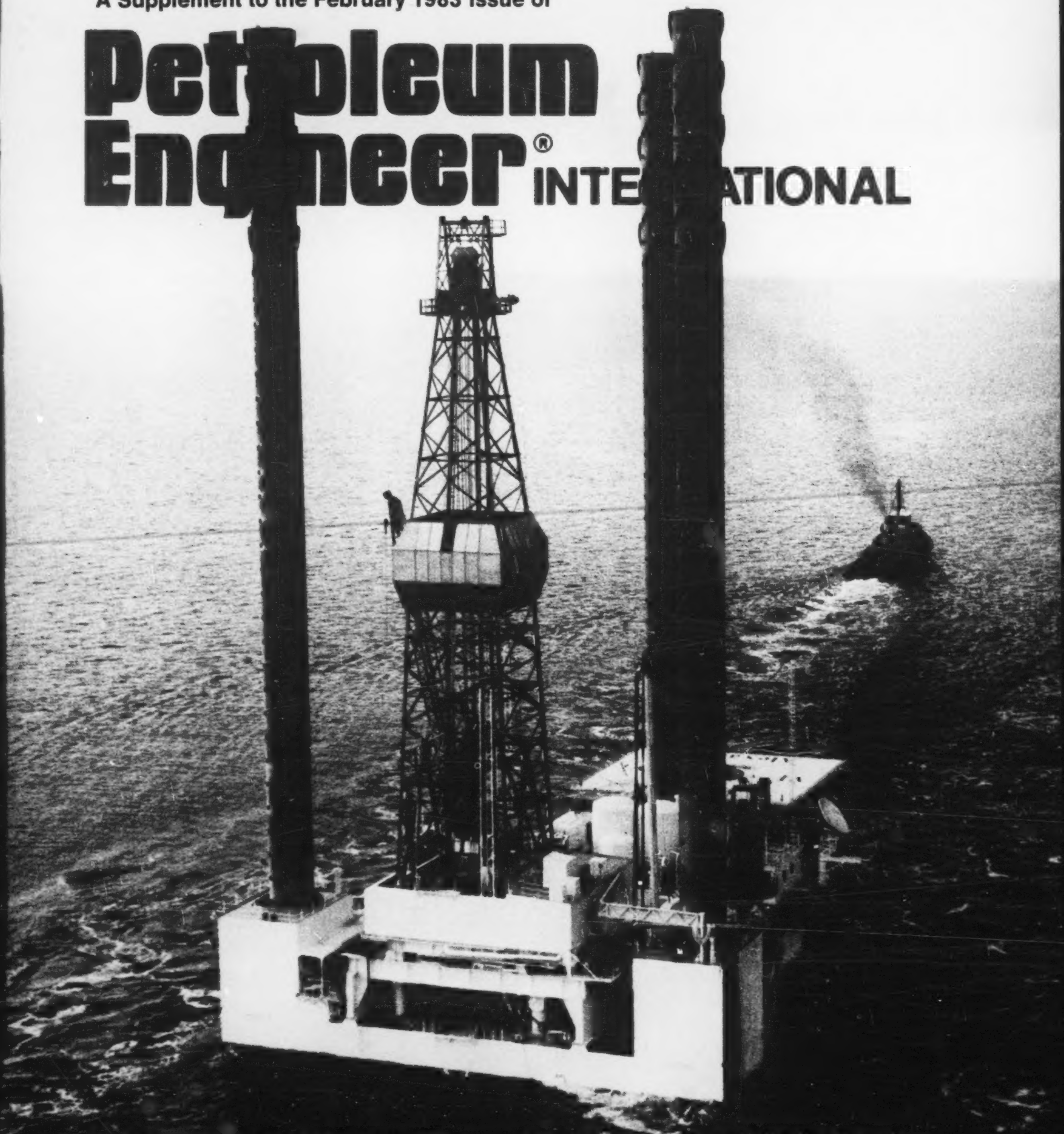
- No more use of deep fryers in preparation of midnight meal.
- Periodic checks of relief valves.
- Check for hydrocarbons before welding. Do not start welding machine until welding operations are ready to commence.
- Prevent dumping directly from a pressure vessel to the sump pile.
- Follow proper precautions when replacing gauges under pressure. Insulate exposed piping if possible.
- Seal even small deck openings before welding. Do not have flammable fluids in tanks with open tops.
- Do not use quick-connect fittings on natural gas supply. Install signs to identify the natural gas line and the nearby air line.
- Proper startup for gas generators. Train in the use of start aids.
- Shut off all hydrocarbon sources before repairing pipes containing hydrocarbons. Use brass and not steel hammer when tightening or loosening unions in hydrocarbon piping. ■

SPRING 1983 INTERNATIONAL

OFFSHORE RIG LOCATOR

A Supplement to the February 1983 Issue of

Petroleum Engineer® INTERNATIONAL

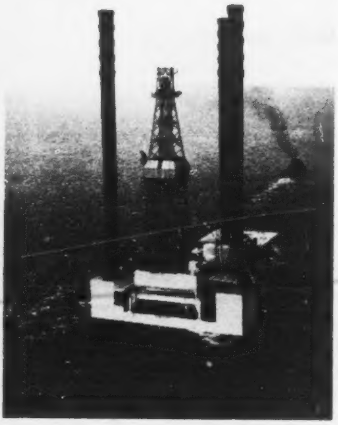


For over a quarter century, drilling contractors have given this magazine Rig Locator data, providing operators who let drilling contracts with mechanical specifications and locations of contract rotary rigs throughout the Free World. Since the Rig Locator's 1955 origin, other organizations periodically attempt similar concepts, while others shuffle and republish PEI Rig Locator data. This Rig Locator, detailing 995 offshore rigs, is the most complete presentation of contract offshore drilling rigs ever published.

Petroleum Engineer® INTERNATIONAL

Spring 1983 International

OFFSHORE RIG LOCATOR



Griffin-Alexander Drilling Co.'s jackup rig, Griffin-Alexander VI, under tow to its destination in the Gulf of Mexico. (Photo courtesy Bethlehem Steel Corp.)

DRAWWORKS MANUFACTURERS
ABBREVIATIONS

Bethlehem Supply Co.	Beth
Cabot Corporation Machinery Division	Cabot/Franks
Continental-Emsco Co.	EMSCO
Gardner-Denver	Gar-Den
Howard-Turner Machine Works	Howard-Turner
Hydra Rig inc.	Hydra
Ideco Inc.	Ideco
Mid-Continent Supply	M-CSCO
National Supply	Natl
OIME	OIME
OILWELL Div. (U.S. Steel)	OILWELL
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Unit Rig Company	Unit
Wilson Manufacturing Co. Inc.	Wlsn

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Petroleum Engineer INTERNATIONAL

International Contract Offshore Drilling Rigs

Contractor	Rig name or no	Type	BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
					AFRICA					
ANGOLA										
Dyvi Drlg A/S	J/U Dyvi Gamma Trigone 2	Jackup	13.63	10000	NATL 1320UE	25,000	350	344	Blk Seixa-1	Drilling
Global Marine Drlg	Glomar Adriatic II	Jackup	13.63	10000	NATL 1625DE	25,000	300	300	Buffalo 1	Drilling
Santa Fe Drlg	Choctaw I	Semisubmersible	18.75	10000	NATL 1320UE	20,000	800			Drilling
Sedco Inc	Sedco 135G	Semisubmersible	13.63	10000	OILWELL E3000	25,000	800	118	Mayanga I	Drilling
	Sedco 150	Jackup	13.63	5000	EMSCO A800RE	10,000	150	90	71-10	Workover
	Sedco 251	Jackup	13.63	10000	EMSCO C2	20,000	250	197	TKA-8	Completion
	Sedneth Luanda	Jackup	13.63	10000	NATL 1320UE	20,000	200	81	Volo No 1	Drilling
CABINDA										
Keydril	Key Victoria	Jackup	13.63	5000	OILWELL E2000	20,000	250			Drilling
CAMEROON										
Cosifor	Navifor I	Tender	16.75	5000	NATL 1320UE	20,000	350	150		Drilling
	Navifor II	Tender	13.63	5000	NATL 1320UE	20,000	400	150		Drilling
Diamond M	Diamond M Don E McMahon	Jackup	13.63	10000	OILWELL E2000	25,000	100	20		Drilling
Foramer	Ile de la Reunion	Tender	13.63	5000	NATL 110DE	16,000	250	210	MBV 31	Drilling
Forex Neptune and/or Affil	Searex 2	Tender	11.00	10000	GAR-DEN 500E	11,000		350	EKM Platform	Workover
Western Oceanic	Western Polaris II	Jackup	13.63	10000	NATL 1320UE	20,000	250		BKM #5	Drilling
CONGO										
Cosifor	Navifor III	Tender	16.75	5000	NATL 1320UE	20,000	400	300		Drilling
	Navifor Norse	Drillship	16.63	10000	NATL 1320UE	20,000	600	300		Exploration Drilling
Foramer	Ile de Re	Tender	16.75	5000	NATL 1320DE	20,000	300	210	LAI 12	Drilling
	Ile de Sein	Tender	16.75	5000	NATL 1320DE	20,000	400		YAM 224	Drilling
Reading & Bates	Dave Dodge	Platform/Tender	20.00	5000	OILWELL 840E	18,000			YAF #3	Contracted To Elf
EGYPT										
Dixilyn-Field Drlg	82	Jackup	13.63	5000	NATL 1320UE	20,000	250		Gulf of Suez	Drilling
Egyptian Drlg	EDC Rig 22	Platform	13.63	5000	EMSCO WS1B	17,000				
	4				NATL 110	13,000				
Foramer	Ile d'Amsterdam	Jackup	13.63	10000	NATL 1320DE	20,000	300	95	Port Fouad	Drilling
Global Marine Drlg	Glomar High Island II	Jackup	13.63	10000	NATL 1320UE	20,000	250	250	GS-305-1	Drilling
Interocean Drlg SA	Interocean III	Jackup	13.63	10000	NATL 1320UE	20,000	300			Drilling
Japan Drlg	Hakuryu I	Jackup	13.63	5000	NIIGATA N3000	13,500	110	103	Belayim 113-M-24 Gulf of Suez	Drilling
Ocean Drlg & Expl	Ben Ocean Typhoon	Drillship	13.63	5000	NATL 1320UE	25,000	600	600	Gulf of Suez EE-85-6A	Drilling
	Ocean Tide	Jackup	13.63	10000	NATL 1320DE	25,000	250	250	Gulf of Suez SB-249-1	Drilling
Penrod Drlg	95	Jackup	13.63	10000	NATL 1320UE	25,000	250			Drilling
Reading & Bates	E W Thornton	Drillship	20.00	5000	OILWELL E3000	25,500	600		Geisum No 6	Contracted To Mobil
	Roger W Mowell	Jackup	13.63	10000	NATL 1625DE	25,000	300		Walker 1	Contracted To AGIP
Santa Fe Drlg	Rig 105	Jackup	21.25	5000	EMSCO C2	20,000	250		Gulf of Suez	Drilling
	Santa Fe Mariner I	Semisubmersible	16.75	5000	NATL 1320UE	20,000	600		Gulf of Suez	Drilling
	136	Jackup	13.63	10000	NATL 1320UE	20,000	250			Drilling
	141	Jackup	13.63	10000	OILWELL E2000	20,000				Drilling
Sonat Offshore Drlg Inc Group	Discover 1/Rig 22	Tender	12.00	3000	NATL 80B	12,000	600			
	Discoverer II	Drillship	16.75	5000	EMSCO 3000	20,000	1500			Idle
	Offshore Aquarius	Jackup	13.63	10000	OILWELL E2000	20,000	250			Drilling
	Offshore Comet	Jackup	13.63	10000	NATL 1320UE	20,000	250			
	Offshore Taurus	Jackup	13.63	5000	M-CSCO U1220BE	20,000	250			
Western Oceanic	Western Triton I	Jackup	13.63	10000	NATL 1320UE	20,000	250		Gulf of Suez	Drilling
Western Offshore Drlg & Expl	Western Offshore V	Barge	16.75	5000	NATL 1320DE	20,000	600			Idle
GABON										
Atwood Oceanics	Shiloh	Tender	16.75	5000	NATL 1320UE	20,000	400			Operating
Foramer	Asterie	Semisubmersible	18.75	10000	GAR-DEN 2100DE	25,000	800	450	KAL 1	Drilling
	Ile d'Ouessant	Tender	10.00	5000	IDECO H525	8,000	360	220	GRM 10	Workover
	Ile de la Martinique	Tender	16.75	5000	NATL 1320DE	20,000	360	220	MBSM B6	Drilling
	Shiloh	Tender	16.75	5000	NATL 1320DE	20,000	450	205	TRM 15	Drilling
Forex Neptune and/or Affil	Neptune 7 Pentagone 81	Semisubmersible	13.63	10000	NATL 1320UE	24,000	660	660	Port Gentil	Available
	Pentagone 82	Semisubmersible	18.75	10000	EMSCO C3UE	20,000	1050	1050	Port Gentil	Available
	Searex I	Tender	16.75	5000	GAR-DEN 1100E	18,000		200	PSM Platform	Drilling
	Trident 7A	Jackup	13.63	10000	GAR-DEN 1500E	21,700	132	132		Drilling
Global Marine Drlg	Glomar Adriatic I	Jackup	13.63	10000	NATL 1625DE	25,000	300	300	Pacassa	Drilling
	Glomar Main Pass I	Jackup	13.63	10000	NATL 1625DE	25,000	300	300	Lum F	Drilling
Keydril	Key Gibraltar	Jackup	13.63	10000	OILWELL E2000	25,000	300			Drilling
Ocean Drlg & Expl	Ocean Ruler	Jackup	13.63	5000	NATL 1625EU	25,000	250	250	Port Gentil	Drilling
IVORY COAST										
Forex Neptune and/or Affil	Unifor 2	Platform	13.63	5000	EMSCO 1500E	21,700			Belier Field	Stand By
J L Offshore	Dan Duke	Jackup	13.63	10000	NATL 1320UE	20,000	300	278	Espoir Field	Production
Reading & Bates	F G McClintock	Jackup	20.00	10000	OILWELL E3000	25,000	300	120	Blk A1-1X	Contracted To AGIP
Sedco Underseas Drlg	Sedco 471	Drillship	16.75	10000	OILWELL E3000	25,000	6000	890	A-8X	Exploratory Drilling
Southeastern Drlg Serv	Sedco J	Semisubmersible	21.25	2000	OILWELL E3000	25,000	800	461	B1-5X	Exploratory
LIBYA										
Saipem	Scarabeo 3	Semisubmersible	18.75	10000	NATL 1625	25,000	1300	1183	AIA-NC87	Working
Sedco Inc	Sedco H	Semisubmersible	18.75	10000	OILWELL 3000	25,000	800			Under Tow To Libya
MOROCCO										
Santa Fe Drlg	Mariner 2	Semisubmersible	16.75	5000	NATL 1320UE	20,000	600			Drilling
NIGERIA										
Atwood Oceanics	Richmond	Submersible	20.00	2000	NATL 1320UE	20,000	70	18	Beniboye	Drilling
Diamond M	Barge 44	Barge-Posted	13.63	5000	OILWELL E3000	25,000	18	15		Drilling
	Barge 45	Barge-Posted	13.63	10000	OILWELL E3000	25,000	18	15		Drilling
Dixilyn-Field Drlg	83	Jackup	13.63	10000	NATL 1320UE	20,000	250	225	Asasa-West-A	Drilling
Forex Neptune and/or Affil	Belle Isle	Barge	13.63	5000	EMSCO 1500UE	21,700		22	Niger Delta	Drilling
	Lutece	Barge	13.63	5000	IDECO 2500E	25,400		22	Niger Delta	Drilling
	Neptune 1	Jackup	13.63	5000	NATL 1625DE	24,000	257			Drilling
	Trident IV-A	Jackup	13.63	10000	GAR-DEN 2100E	25,400	300	300	Bonny River	Available
	Trident 8	Jackup	13.63	10000	GAR-DEN 1500E	21,700	300	200		Drilling
Keydril	Key Bermuda	Jackup	13.63	10000	OILWELL 2000	20,000	200			Drilling
	Key Largo	Jackup	13.63	10000	OILWELL E300	25,000	300			Drilling

			BOP Stack				Water Depth			
Contractor	Rig name or no.	Type	Size (ID)	Pressure rating	Drwwks make & model	Rated drlg depth with 4½ in. pipe	Rated	Current	Location	Status
AFRICA (Cont'd)										
NIGERIA (Cont'd)										
Reading & Bates	Douglas Carver	Drillship	20.00	10000	NATL 1625DE	25,000	750		AGBARA-13	Contracted To AGIP
Santa Fe Drlg	Swamp Chief R-86	Barge	13.63	5000	NATL 110UE	16,000	22			Drilling
	Swamp Master R-83	Barge	20.00	5000	IDECO 2500E	20,000	22			Idle
	Swamp Queen R-84	Barge	20.00	5000	NATL 1320	20,000	22			Idle
Sedco Inc	Sedco 252	Jackup	13.63	10000	OILWELL E2000	20,000	250		N Apoi 22	Drilling
	Sedco 253	Jackup	13.63	10000	EMSCO C2	20,000	250		Funiwa B3	Drilling
	Sedneth I	Semisubmersible	16.75	5000	OILWELL E3000	25,000	600		Okpoho B	Drilling
Transworld Drlg	46	Submersible	13.63	5000	EMSCO EDA460	20,000	70	30	Okan	Drilling
Western Offshore Drlg & Expl	Mr Sage	Jackup	13.63	5000	NATL 1320UE	20,000	200	65	Akan #4	Drilling
SENEGAL										
Santa Fe Drlg	Calabar Queen Rig 83	Tender	20.00	5000	IDECO E1200	12,000		100		Idle
SOMALIA										
Sonat Offshore Drlg Inc Group	Discoverer 511	Drillship	18.75	10000	IDECO E2100	20,000	2000			Drilling
SOUTH AFRICA										
Sedco Maritime	Sedco K	Semisubmersible	21.25	10000	OILWELL E3000	25,000	900	343	Soekor E-R1	Drilling
Western Oceanic	Nike I	Jackup	13.63	10000	NATL 1320	20,000	150			Under Construction
SUDAN										
Forex Neptune and/or Affil	Trident 6	Jackup	13.63	10000	GAR-DEN 1500E	21,700	300	200		Drilling
TUNISIA										
Ocean Drlg & Expl	Ocean Voyager	Semisubmersible	13.63	5000	EMSCO C3 Type 2	25,000	1200	1200	Kerkevane No 1	Drilling
Penrod Drlg	70	Semisubmersible	13.63	10000	NATL 1625DE	30,000		600		Drilling
AUSTRALIA										
AUSTRALIA										
Atwood Oceanics	Energy Searcher	Drillship	18.75	10000	GAR-DEN 3000E	25,000	1500	269	Palk St	Drilling
	Regional Endeavour	Drillship	18.75	10000	NATL 1320UE	20,000	1500	482	Carnavon Basin	Drilling
Diamond M	Epoch	Semisubmersible	16.75	10000	OILWELL E3000	30,000	1200		Bass Strait	Just Arrived On Location
Global Marine Drlg	Glomar Grand Isle	Drillship	18.75	10000	NATL 1625 DE	25,000	600	600		Drilling
	Glomar Main Pass III	Jackup	13.63	10000	NATL 1625DE	25,000	300			In Route
Keydril	Key Biscayne	Jackup	13.63	5000	NATL 1320UE	20,000	250			Drilling
Loffland Bros	95	Platform	13.63	5000	M-CSCO U1220	20,000			Snapper	Drilling
Maersk Drlg	Maersk Valiant								Bambra 1	Drilling
Ocean Drlg & Expl	Ocean Digger	Semisubmersible	18.75	10000	EMSCO A1500	25,000	600	600	Edina No 1	Drilling
	Ocean Prospector	Semisubmersible	18.75	10000	EMSCO C3 Type 2	25,000	1000	1000	North Gorgon No 1	Drilling
Pool Australia	Rig 110-Offshore	Platform			Ingersoll-Rand 2042	7,500				Stacked
Richter Drlg Pty	12	Platform	13.63	5000	NATL 110UE	16,000				Drilling
	3				NATL T32	5,500				
South Seas Drlg	Southern Cross	Semisubmersible	18.75	10000	OILWELL E2000	20,000	1500		Bass Strait	Drilling
CANADA										
UNDESIGNATED										
Canadian Marine Drlg	Canmar Explorer I	Drillship	18.75	10000	IDECO 2100E	25,000	600		Kiggavik	Shut Down
	Canmar Explorer II	Drillship	18.75	10000	IDECO 2100E	25,000	600		Aiverk	Shutdown
	Canmar Explorer III	Drillship	18.75	10000	NATL 1625DE	25,000	1500		Orvilruk 0-03	Shutdown
	Canmar Explorer IV	Drillship	18.75	10000	EMSCO C3	20,000	607	193	Kenalooak J-94	Testing
Global Marine Drlg	Glomar High Island IX	Jackup	13.63	10000	NATL 1320	20,000	250			Under Construction
	Glomar High Island VIII	Jackup	13.63	10000	NATL 1320UE	20,000	250			Under Construction
	Glomar High Island X	Jackup	13.63	10000	NATL 1320UE	20,000	250			Under Construction
Sonat Offshore Drlg Inc Group	John Shaw	Semisubmersible	18.75	10000	EMSCO C3 Type II	25,000	1500			Enroute
BEAUFORT SEA										
Canadian Marine Drlg	SSDC	Barge	13.63	10000	NATL 1625DE	25,000	26		Uviluj	Driving 40"
GRAND BANKS										
Sedco Maritime	Sedco 706	Semisubmersible	18.75	10000	OILWELL E3000	25,000	1300	277	Linnett E-63	Drilling
NEWFOUNDLAND										
Smedvig Drlg	West Venture	Semisubmersible	18.75	10000	EMSCO 3C	30,000	1200	800	Hibernia 1-46	En Route
Zapata Offshore	Zapata Ugland	Semisubmersible	13.63	10000	OILWELL E3000	25,000	600	519	Grand Banks	Drilling
NORTHWEST TERRITORIES										
Canadian Marine Drlg	CBIR #1	Semisubmersible	20.75	3000	EMSCO C3	25,000	26			Stacked
NOVA SCOTIA										
Marine Drlg SA	Sedco 709	Semisubmersible	16.75	10000	OILWELL E3000	25,000	6000	4000		Exploratory
Rowan Co	Rowan Juneaue	Jackup	13.63	15000	NATL 1625	25,000	300	67	Sable Island	Drilling
Zapata Offshore	31	Jackup	13.63	15000	NATL 1625DE	25,000	200		Sable Island	Drilling
PORT COLBORNE										
Underwater Gas Dev	Mr Neil	Jackup	10.00	3000	IDECO H525D	8,000	80			Stacked
	Telesis	Drillship	8.00	2000	NATL T20	5,000	210			Stacked
	Timesaver II	Jackup	8.00	2000	EMSCO GB250	5,000	100			Stacked
EUROPE										
UNDESIGNATED										
Canadian Marine Drlg	CBIR #2	Semisubmersible	20.75	3000	NATL 1625DE		26			For North Sea Drlg
Dixilyn-Field Drlg	DF-87	Jackup	13.63	10000	NATL 1320UE	25,000	300	300	Dutch Sector-North Sea	Drilling
Dyvi Offshore	Dyvi Stena	Semisubmersible	18.75	10000		25,000	1500			Under Construction
	TDN	Semisubmersible	18.75	10000		25,000	1500			
Global Marine Drlg	Glomar Biscay I	Semisubmersible	18.75	10000	OILWELL E3000	25,000	1500			In Port
Santa Fe Drlg	Britannia R-65	Jackup	20.00	10000	NATL 1320DE	20,000	160	140	North Sea	Drilling
Wilh Wilhelmsen	Treasure Saga	Semisubmersible								Awaiting Delivery

Contractor	Rig name or no.	Type	BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
EUROPE (Cont'd)										
BELGIUM										
Foramer (Offshore Europe)	Patrel		16.75	10000	NATL 1625DE	25,000	2000			Standby
DENMARK										
Dyvi Drlg A/S	J/U Dyvi Beta (Trigone 1)	Jackup	13.63	10000	NATL 1320UE	25,000	350	216	Blk Mona 1	Drilling
Dyvi Offshore	Dyvi Epsilon CJ-46-1	Jackup	13.63	10000	NATL 1320UE	25,000	210	133	Blk Thor-1	Drilling
J L Offshore	Dan Earl	Jackup	13.63	10000	NATL 1320UE	20,000	205	130	Tyra Field	Drilling
Maersk Drlg	Maersk Endeavour								North Sea TWB 3	Drilling
	Maersk Explorer	Jackup	13.63	10000	NATL 1320UE	25,000			North Sea Emma 1	Logging
FINLAND										
Global Marine Drlg	Glomar Arctic I	Semisubmersible	18.75	15000	OILWELL E3000	25,000	1800	1800		Under Construction
	Glomar Arctic II	Semisubmersible	18.75	15000	OILWELL E3000	25,000	1800	1800		Under Construction
	Glomar Arctic III	Semisubmersible	18.75	15000	OILWELL E3000	25,000	1800	1800		Under Construction
FRANCE										
Foramer	Barracuda	Tender	16.75	5000	NATL 1320DE	20,000	400			Delivery 7/82
Global Marine Drlg	Glomar Labrador I	CFEMT2005	13.63	15000	NATL 1625DE	25,000	300			Under Construction
	Glomar Moray Firth I	T2600	13.63	15000	NATL 1625DE	25,000	300			Under Construction
GREECE										
J L Offshore	Dan Baron	Drillship	18.75	10000	IDECO E3000	20,000	1000		Pireaus Roads	Available
Penrod Drlg	58	Jackup	13.63	10000	NATL 1625DE	30,000	210		N Aegean Sea Pfm Beta of Alpha	Drilling
Western Offshore Drlg & Expl	Western Offshore III	Barge	13.63	10000	NATL 1320DE	20,000	600	170	Athos #1	Drilling
ITALY										
Chiles Drlg	Texas Star	Jackup	13.63	10000	NATL 110UE	16,000	150		Port of Palermo	Stacked
Foramer	Pelican	Drillship	13.63	10000	NATL 1625DE	25,000	1100		Bonnaccia II	Drilling
Maersk Drlg	Maersk Endurer	Jackup	13.63	10000	OILWELL E2000	20,000	250			Stacked in Trieste
	Maersk Viking								Aura 1	Drilling
Pool-Intairdril	446	Platform	13.63	5000	OIME 1000	10,000			Adriatic Sea	Standby-AGIP
	447	Platform			OIME 1000				Adriatic Sea	Working-ELF
Reading & Bates	Mr Jack	Jackup	20.00	10000	OILWELL E3000	25,000	300	105	Sicily Loredana 1	Contracted To AGIP
Saipem	Perro Negro	Jackup	13.63	10000	IDECO PE2500	21,000	130	79	Azalea 2	Working
	Perro Negro 3	Jackup	13.58	10000	OILWELL E2000	21,000	300			Under Construction
	Saipem Due	Drillship	16.75	5000	NATL 1625	25,000	1000	138	Santuzza 1	
	Scarabeo II	Semisubmersible	18.75	10000	IDECO PE2500	21,000	600	344		Maintenance
	Scarabeo 4	Semisubmersible	18.75	10000	NATL 1625	25,000	1300	338	Margherita	Working
	53	Platform	13.63	5000	IDECO H525D	7,000				Stacked
	90	Platform	13.58	10000	IDECO E2100	25,000		85	P Corsini 80	Working
Sonat Offshore Drlg Inc Group	Discover Seven Seas	Drillship	16.75	10000	EMSCO C3 Type II	25,000	6000			Drilling
MALTA										
Pacnorse Drlg	Pacnorse I	Drillship	18.75	10000	EMSCO C3 Type II	30,000	5000			Drydock
NETHERLANDS										
Deutsche Tiefbohr	T-38 D	Mobile	11.00	10000	DEUTAG/Wilson 75	13,000/3-1/2"				Workover
Global Marine Drlg	Glomar Adriatic III	Jackup	13.63	10000	NATL 1625DE	25,000	300	300	NED-P-12 #31 (North Sea)	Drilling
J L Offshore	Dan King	Jackup	13.63	10000	NATL 1320UE	20,000	205	110	Blk K-17	Drilling
Penrod Drlg	64	Jackup	13.63	10000	NATL 1625DE	30,000	210			Drilling
	67	Jackup	13.63	10000	NATL 1625DE	30,000	210			Drilling
	80	Jackup	13.63	10000	NATL UE	30,000	210			Drilling
	81	Jackup	13.63	10000	NATL 1320UE	25,000	210			Drilling
Rowan Intl	Gilbert Rowe	Jackup	13.63	10000	NATL 1625	25,000	300		P-2-5	Drilling
Transocean Drlg	Transocean No 1	Jackup	11.00	10000	EMSCO A1500E	20,000	140	100	Q/7 4	Drilling
	Transocean No 2	Jackup	13.63	10000	NATL 1625DE	20,000	150	90	Helder A-5	Drilling
	Transocean No 4	Jackup	13.63	10000	NATL 1320UE	25,000	160	100	K/8-10	Drilling
	Transocean No 6	Jackup	13.63	10000	EMSCO C3 Type 2	20,000	300	110	K/13C-F5	Drilling
Western Oceanic	Western Triton IV	Jackup	13.63	10000	EMSCO C2	20,000	250		Saba Bank-North Sea	Drilling
Zapata Offshore	Zapata Nordic	Jackup	13.63	10000	EMSCO C3 Type II	20,000	300	154	Dutch Sea-North Sector	Drilling
NORWAY										
Dyvi Drlg A/S	D/R Dyvi Alpha	Semisubmersible	18.75	10000	NATL 1625DE	25,000	1300	800	Blk 34-4	Drilling
Dyvi Offshore	Dyvi Delta	Semisubmersible	13.63	15000	OILWELL	25,000	3000	1500	Blk 6407/1-2	Drilling
Global Marine Drlg	Glomar Biscay II	Semisubmersible	18.75	10000	NATL 1625DE	25,000	600	600	Sleipner 16/7-3	Drilling
Golar-Nor Offshore A/S	Nortrym	Semisubmersible	18.75	10000	NATL 1625DE	20,000	1000		North Sea 30/6	Testing
Intl Chandlers	Sedco PSSI	Semisubmersible					1500	300	Ekofisk Field	Support Services
Loffland Bros	51	Platform	13.63	5000	M-CSCO U1220EB	20,000		467	Statfjord-North Sea	Drilling
Morco A/S	1/6 A	Platform	13.63	10000	NATL 1320UE				Albuskjell Field	Drilling/Workover
	2/4 Alpha	Platform	13.63	5000	EMSCO A1500E				Ekofisk Field	Drilling/Workover
	2/4 Bravo	Platform	13.63	5000	EMSCO A1500E				Ekofisk Field	Workover/Drilling
	2/4 C	Platform	13.63	5000	OILWELL 940E				Ekofisk Field	Workover/Drilling
	2/4 Delta	Platform	13.63	5000	EMSCO C2				West Ekofisk Field	Workover/Drilling
	2/4 E	Platform	13.63	5000	EMSCO C3				Tor Field	Workover/Drilling
	2/4 F	Platform	13.63	10000	NATL 1320UE				Albuskjell Field	Workover/Drilling
	2/7 A-10	Platform	16.75	5000	OILWELL 940E				Eldfisk Field	Workover/Drilling
	2/7 A-32	Platform	16.75	5000	NATL 110UE				Eldfisk Field	Workover/Drilling
	2/7 Bravo	Platform	13.63	5000	M-CSCO U1220EB				Eldfisk Field	Workover/Drilling
	2/7 C	Platform	13.63	5000	M-CSCO U1220B				Edda Field	Workover/Drilling
	7/11-A	Platform	13.63	5000	IDECO E2100				COD Field	Workover/Drilling
Odfjell Drlg & Consulting	Deepsea Bergen	Semisubmersible	18.75	10000	NATL 1625DE	25,000	1500			Outfitting
	Deepsea Saga H-3	Semisubmersible	18.75	10000	NATL 1625DE	25,000		1250		Yard
	101 Statfjord "B"	Semisubmersible	13.63	5000	NATL 1320UE	25,000	1750		33/12-B23 North Sea	Drilling
Ross Drlg	Koldnes No 219 Ross Isle	Bingo 3000	18.75	10000	OILWELL E3000	25,000	1500		Tonsberg	Delivery Mid-Feb 83
	Neptuno Nordraug	Aker H3	18.75	10000	NATL 1625DE	25,000	1000	900	34/10	Drilling
	Ross Rig	Aker H3	18.75	10000	NATL 1625DE	25,000	1250	597	Sandefjord	Upgrading & Special Survey
Smedvig Drlg	TBN-Bingo-300 West Vanguard	Semisubmersible	18.75	10000	EMSCO 3000	25,000	1500		North Sea Well 15-9-17	Drilling

Contractor	Rig name or no.	Type	BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
					EUROPE (Cont'd)					
NORWAY (Cont'd)										
Southeastern Drlg Serv	Sedco 703	Semisubmersible	18.75	10000	OILWELL 3000	25,000	2000	236	1/9-6	Production Testing
	Sedco 707	Semisubmersible	21.25	2000	OILWELL E3000	25,000	2000	420	650F/10-1	
Stavanger Drlg A/S	Henrik Ibsen	Semisubmersible	18.75	10000	GAR-DEN 3000E	30,000	1200			Stacked
	89 Pentagone	Semisubmersible	18.75	10000	GAR-DEN 3000E	30,000	1200			Stacked
Wilh Wilhelmsen	Treasure Scout	Semisubmersible					2500	840	Blk 30/6-North Sea	Drilling
	Treasure Seeker SS H-3	Semisubmersible		15000	EMSCO C3 Type 2	25,000	1250	1250	Blk 30/9-1-North Sea	
	Treasure Swan	Semisubmersible					2500	810	Blk 29/14-North Sea	Drilling
PORTUGAL										
Sedco Inc	Sedco 472	Drillship	16.75	10000	OILWELL E3000	25,000	6000		Lisbon	Stacked
SCOTLAND										
Loffland Bros	43	Platform	13.63	10000	IDECO E3000	20,000			Brent Charlie	Working
	81	Platform	13.63	5000	M-CSCO U1220EB	20,000		450	Ninian Central	Drilling
	82	Platform	13.63	5000	M-CSCO U1220EB	20,000		450	Ninian Central	Drilling
	83	Platform	13.63	5000	M-CSCO U1220EB	20,000			Ninian South	Drilling
	84	Platform	13.63	5000	M-CSCO U1220EB	20,000			Ninian South	Drilling
Transworld Drlg	58	Semisubmersible			EMSCO C3000	25,000	600	300	Argyll	Production Mode
SICILY										
Global Marine Drlg	Glomar Grand Banks	Drillship	18.75	10000	NATL 1625DE	25,000	600	600	Vega #3	Drilling
SPAIN										
Dolphin Titan Intl	131	Platform	13.63	10000	EMSCO C2	25,000			Casablanca Field	Drilling
KCA Drlg	MV Polly Bristol	Drillship	18.75	10000	NATL 1625DE	25,000	4500	1500	Gulf of Cadiz	Drilling
Ocean Drlg & Expl	Ocean Endeavour	Semisubmersible	18.75	10000	EMSCO C3 Type 2	25,000	1000	1000	Vizcaya C-2	Drilling
Sedco Inc	Sedco I	Semisubmersible	16.75	5000	OILWELL E3000	25,000	1000	309	Dorado Field	Production
Western Oceanic	Western Pacesetter I	Semisubmersible	18.75		NATL 1625DE	25,000	600		H-2X	Drilling
UNITED KINGDOM										
Atlantic Drlg	Bendoran Aker H-3	Semisubmersible	21.25	2000	NATL 1625DE	25,000	850	364	UK Blk 20/2-2	Contract To Britoil To Fall 84
	Benurackie	Semisubmersible	21.25	2000	NATL 1625DE	25,000	850	497	UK Blk 3/11B-4	Contract To Chevron To Mid 84
Bawden Drlg (UK)	32	Platform W/O	10.00	3000	OILWELL 700	9,000			Beatrice-North Sea	Working Over Wells
	34	Platform	13.63	5000	NATL 1320UE	22,000			Piper-North Sea	Drilling
	35	Platform	16.63	5000	NATL 1320UE	20,000			Beatrice-North Sea	Drilling
	39	Platform	13.63	5000	NATL 1320UE	22,000			Ninian North-North Sea	Drilling
	40	Platform	13.63	5000	NATL 1320UE	20,000			Claymore-North Sea	Drilling
	41	Platform	13.63	5000	NATL 1320UE	20,000			Claymore-North Sea	Drilling
	42	Platform	13.63	5000	NATL 1320UE	22,000/5"			Murchison-North Sea	Drilling
Deutsche Tiefbohr	T-20	Platform	13.63	10000	NATL 1320UE	18,000	460	460	UK Blk 211/20	Drilling
	T-21	Platform	13.63	10000	NATL 1320UE	18,000	460	460	UK Blk 211/29	Drilling
	T-25	Platform	13.63	10000	NATL 1320UE	18,000	510	510	UK Blk 211/23	Drilling
Dixilyn-Field Drlg	96	Semisubmersible	18.75	10000	NATL 1625	25,000	1200	1200	North Sea	Drilling
	97	Semisubmersible	18.75	10000	EMSCO C1112	25,000	1200		Blk 9-11-3	Drilling
Forex Neptune and/or Affil	Drill Star	Semisubmersible	18.75	15000	NATL 1625DE	25,000	1500	1500	North Sea 21/30	Drilling
	Pentagone 84	Semisubmersible	13.63	10000	GAR-DEN 3000E	24,000	660	660	North Sea	Assistance MCP01 Platform
Houlder Marine Drlg	Shelf Driller	Jackup	13.63	10000	NATL 1625E	25,000/5"		300	Moray Firth	Drilling
Keydril	Galveston Key	Jackup	13.63	10000	EMSCO C3	25,000	300			Drilling
Kingsworth Marine Drlg	Dundee Kingsworth Aker H-3	Semisubmersible	18.75	10000	NATL 1625DE	24,000		1000	Mutton Field	Drilling Production
	Kingsworth UK Aker H-3	Semisubmersible	18.75	10000	NATL 1625DE	24,000		1250		Moving To Location
KCA Drlg	51	Platform	13.63		NATL 1320UE	20,000			Beryl Alpha Platform-Blk 9/13	Workover
	52	Platform	13.63	5000	NATL 1320UE	20,000			Beryl Alpha Platform-Blk 9/13	Workover
Ocean Drlg & Expl	Ocean Bounty	Semisubmersible	16.75	10000	EMSCO C3 Type 2	25,000	1200	1200	13/28-3	Drilling
	Ocean Kokuei	Semisubmersible	13.63	10000	EMSCO C3 Type 2	25,000	600	600	15/16-15	Drilling
	Ocean Liberator	Semisubmersible	18.75	10000	NATL 1625DE	25,000	1000	1000	North Sea 9/13-B5	Drilling
	Ocean Victory	Semisubmersible	13.63	10000	EMSCO C3 Type 2	25,000	600	600	North Sea 15/16-16	Drilling
Odfjell Drlg & Consulting	STC Cicero	Jackup	13.63	1000	NATL 1620DE	25,000	285		North Sea Sole Pit 48	Drilling
Penrod Drlg	85	Jackup	13.63	10000	NATL 1320UE	25,000	250		Great Yarmouth	Drilling
Rowan Intl	Arch Rowan	Jackup	13.63	10000	NATL 1625	25,000	300		West Sole 48/6	Drilling
	Cecil Provine	Jackup	13.63	10000	NATL 1625	25,000	300			Available
	Charles Rowan	Jackup	13.63	10000	NATL 1625	25,000	300	5	Leman Bank	Drilling
Santa Fe Drlg	Rig 111/112 Thistle	Platform	21.75	5000	OILWELL 3000E	20,000			North Sea-Thistle Field	Drilling
	82	Platform	20.00	5000	NATL 1320UE	20,000			Auk Field	Drilling
Sea Drlg Netherlands	Sednath 701	Semisubmersible	21.25	10000	OILWELL E3000	25,000	1500	326	North Sea Blk 16	Template Completion
Sedco Inc	Sedco/BP-711	Semisubmersible	13.63	15000	OILWELL E3000	25,000	1500			Under Way From Korea
Sonat Offshore Drlg Inc Group	Chris Chenery	Semisubmersible	13.63	10000	NATL 1625DE	25,000	600			Drilling
Southeastern Drlg Serv	Sedco 700	Semisubmersible	21.25	10000	OILWELL E3000	25,000	1500	400	21/25-3	Drilling Exploration
	Sedco 704	Semisubmersible	18.75	10000	OILWELL 3000	25,000	1500	1250	North Sea 21/4-1	Drilling Exploration

Contractor	Rig name or no.	Type	BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
EUROPE (Cont'd)										
UNITED KINGDOM (Cont'd)										
Western Oceanic	Apollo II	Jackup	13.58	10000	EMSCO C3	20,000	300		Irish Sea-Morcambre Bay	Drilling
	Western Pacesetter II	Semisubmersible	18.75	10000	NATL 1625DE	25,000	1200		9/8-7-North Sea	Drilling
	Western Pacesetter III	Semisubmersible	18.75	10000	EMSCO C3II	25,000	1200		21-12-North Sea	Drilling
WEST GERMANY										
Deutsche Tiefbohr	T-24		13.63	10000	NATL 80BUE	13,000				Available
Dyvi Offshore	Dyvi Sigma CJ-46-2	Jackup	13.63	10000	NATL 1320UE	25,000	210	111	Blk H-18-1	Drilling
MEXICO										
CAMPECHE										
Perforaciones Alta Mar CA	Rig III	Tender			NATL 130	20,000			Bay of Campeche	Drilling
Perforadora Mexico S/A	D/B Reforma	Drillship	18.75		NATL 1625DE	25,000	600	228	Bay of Campeche	Drilling
	D/B Revolucion	Drillship	18.75	10000	NATL 1625DE	25,000	600	150	Bay of Campeche	Drilling
	Reforma	Drillship	18.75	10000	NATL 1625DE	25,000	600	228	Bay of Campeche	Drilling
	Revolucion	Drillship	18.75	10000	NATL 1625DE	25,000	600	150	Bay of Campeche	Drilling
Rowan Co	Rowan Louisiana	Jackup	13.63	10000	NATL 1625DE		300	220	Bay of Campeche	Drilling
	Rowan-Texas	Jackup	13.63	10000	NATL 1320UE	25,000	225	225	Bay of Campeche	Drilling
MIDDLE EAST										
UNDESIGNATED										
Penrod Drlg	56	Jackup	13.63	10000	NATL 1625DE	30,000	150			Stacked
	57	Jackup	13.63	10000	NATL 1625DE	30,000	150			Stacked
ABU DHABI										
Foramer	Ile de France	Jackup	13.63	5000	NATL 1625DE	25,000	200	95	US 102	Drilling
	Ile du Levant	Jackup	13.63	5000	NATL 1320DE	20,000	150	110	ZL 203	Drilling
Foramer (Interdrill)	Tourmalines	Jackup	10.00	5000	NATL 80B	12,000	100	95	UZ 30	Workover
Forex Neptune and/or Affil	Trident 5	Jackup	10.00	5000	IDECO E900	12,000	150	150		Workover
	Trident-III	Jackup	13.63	5000	GAR-DEN 2100E	25,400	300	100		Drilling
Japan Drlg	Hakuryu VI	Jackup	13.63	5000	NATL 1320UE	20,000	180	53	Zakum ZK-122	Drilling
	Hakuryu VII	Jackup	13.63	10000	NATL 1320UE	20,000	150		UA-11	Work Over
Loffland Bros	Ocean Master IV/Rig 160	Jackup	13.66	3000	M-CSCO U914	18,000	110		Bunduq	Working
Maersk Drlg	Maersk Victory								AK 52	Drilling
National Drlg	Al Ghallan	Jackup	13.63	5000	NATL 1320UE	2,000	150	125	Zakum Field	Drilling
	Al Ittihad	Jackup	13.63	5000	NATL 1320UE	20,000	150	125	Hair Dalme	Drilling
	Al Yasat	Jackup	13.63	5000	NATL 1320UE	20,000	150	125	Zakum Field	Drilling
	Diyina	Jackup	13.63	5000	NATL 1320UE	20,000	150	125	Zakum Field	Drilling
	Junana	Jackup	13.63	10000	NATL 1320UE	20,000	150	125	Zakum Field	Drilling
Transworld Drlg	63	Jackup	13.63	5000	EMSCO C3 Type II	25,000	250	130		Drilling
Zapata Offshore	Chaparral	Jackup	13.63	10000	OILWELL 3000E	25,000	240	53	Zakum	Drilling
	Heron	Jackup	13.63	10000	NATL 1625DE	25,000	300	41	Zakum	Drilling
	Topper II	Jackup	13.63	5000	NATL 110UE	16,500	115	25	Arzanah	Drilling
	33	Jackup	13.63	10000	NATL 1320	20,000	250		Umm Shaif	Drilling
DUBAI										
Atwood Oceanics	Bull Run	Tender	13.63	5000	NATL 1320UE	20,000	400		Persian Gulf	Rigging up
	Williamsburg	Platform Tender	13.63	10000	EMSCO C	20,000	500	174	Persian Gulf-Fateh Fld Well U5	Drilling
Transocean Drlg	Transocean No 5	Jackup	13.63	10000	NATL 1625	25,000	300	150	Zeta	Drilling
IRAN										
Scan Drlg	Scan Bay	Jackup	13.63	10000	OILWELL E3000	25,000	250	250	Persian Gulf	Drilling
OMAN										
Forex Neptune and/or Affil	Trident IX	Jackup	13.63	10000	GAR-DEN 1500E	21,700	400			Drilling
QATAR										
Forex Neptune and/or Affil	Trident II	Jackup	13.63	10000	GAR-DEN 2100RE	25,400	350	300		Drilling
Santa Fe Drlg	Rig 103	Jackup	20.00	5000	EMSCO C2	20,000	250			Drilling
RAS AL KHAIMAH										
Western Offshore Drlg & Expl	Western Offshore VIII	Drillship	18.75	5000	NATL 1625DE	25,000	600	320	Saleh #1-X	Drilling
SAUDI ARABIA										
Arabian Drlg	Arabdrill 2	Tender			NATL 110	19,000		200	Khafji	Drilling
	AD 8	Jackup	13.63	5000	NATL 110UE	19,000	150	150	Berri Field	Drilling
Loffland Bros	Oceanmaster III-R-150	Jackup	13.66	3000	M-CSCO U712A	14,000	160		Manifa	Working
	Orville Fisher/Rig 183	Platform	13.63	5000	M-CSCO U914C	18,000			Safaniyah	Working
Maersk Drlg	Maersk Venturer								Marjan 52	Drilling
	Maersk Voyager								Zuluf 93	Drilling
Pool Arabia	142-Offshore	Jackup	13.63	5000	NATL 80B	12,000	150		Arabian Gulf	Working
	143	Jackup	10.00	5000	OIME 1000	12,500	160	120	Arabian Gulf	Working
	144	Jackup	13.63	5000	OIME 1000E	10,000	160		Arabian Gulf	Working
	145	Jackup	13.63	5000	IDECO ED1200	13,000	160			Under Construction
Reading & Bates	Ron Tappmeyer	Jackup	13.63	10000	OILWELL E3000	20,000	300		Abu Safah #29	Contracted to Aramco
Rowan Intl	Rowan Anchorage	Jackup	13.63	5000	NATL 1320UE	25,000	225		Maharah II 12	Drilling
	Rowan-New Orleans	Jackup	13.63	5000	NATL 1324UE	25,000	225	225	Lohah #17	Drilling
Sonat Offshore Drlg Inc Group	Jubilee	Jackup	13.63	5000	EMSCO A1500E	20,000	200			
	North Star	Jackup	13.63	5000	NATL 1320DE	20,000	250			
	Offshore Bahram	Jackup	13.63	5000	IDECO ED1200	12,000	200			

			BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth			
Contractor	Rig name or no.	Type	Size (ID)	Pressure rating			Rated	Current	Location	Status
MIDDLE EAST (Cont'd)										
UAE										
Dolphin Titan Intl	140	Tender/Jackup	13.63	10000	NATL 1320UE	20,000	225		Sharjah	Available
Sedco Dubai	Sedco 160	Jackup	13.63	10000	EMSCO C2	25,000	160	100	Abu Dhabi	Drilling-ADOC
	Sedneth II	Jackup	13.63	10000	OILWELL 3000E	25,000	200	100	Abu Dhabi	Drilling-ADMA
	Sedneth 201	Jackup	13.63	10000	EMSCO C2	25,000	200	100	Abu Dhabi	Drilling-ADMA
	Sedneth 202	Jackup	13.63	10000	EMSCO C2	25,000	200	100	Abu Dhabi	Drilling-ADMA
	75	Jackup	13.63	5000	OILWELL 96	16,000	100	80	Abu Dhabi	Drilling-Amenda Hess
Sonat Offshore Drlg Inc Group	Enterprise	Jackup	18.63	2000	NATL 130					Maintenance Barge
	Hustler	Jackup	12.00	5000	EMSCO A550	10,000	90			
	Offshore Antares	Jackup	10.00	5000	NATL 130	12,000	115			
	Offshore Jupiter	Jackup	13.63	5000	EMSCO C1 Type II	16,000	130			
	Offshore Mercury	Jackup	13.63	10000	NATL 1320DE	20,000	250			Enroute
	Rig 54	Jackup	13.63	5000	NATL 130E	20,000	150			
SOUTH AMERICA										
ARGENTINA										
Reading & Bates	George H Galloway	Jackup	13.63	10000	NATL 1625DE	25,000	300			U/C-Available For Contract
	W B Tyson	Jackup	13.63	10000	NATL 1625DE	25,000	300			U/C-Contracted To WEPCO-Egypt
Rio Colorado S A	Rio Colorado 1	Jackup	13.63	5000	NATL P160	20,000	300	100	Rio Grande	Drilling
BRAZIL										
Diamond M	Diamond M Hunter	Semisubmerisble	18.75	10000	OILWELL E3000	30,000	1500		Fortaleza	Drilling
	Gem	Jackup	13.63	5000	OILWELL E3000	30,000	300		Salvador	Drilling
Dolphin Titan Intl	141	Tender/Platform	13.63	5000	M-CSCO U1220EB	25,000	300		Xarev	Drilling
	142	Platform	13.63	10000	EMSCO A1500	20,000	230		Urbana	Drilling
Forex Neptune and/or Affil	Neptune Gascogne	Jackup	13.63	10000	NATL 1625UE	25,000	290	290	Espirito Santo	Drilling
Global Marine Drlg	Glomar High Island V	Jackup	13.63	10000	NATL 1320UE	20,000	250	250	Belem-Para	Drilling
Griffin-Alexander Drlg	G-A IV	Jackup	13.63	10000	UNIT EB1220	25,000	200		I SES 70	Drilling-Petrobras
Interocean Drlg SA	Interocean Discoverer	Drillship	18.75	10000	EMSCO C2 Type II	25,000	1500			Drilling
	Interocean II	Jackup	13.63	10000	EMSCO C2	20,000	300			Idle
Keydril	Key West	Jackup	13.63	10000	EMSCO C3	25,000	350			Drilling
Maersk Drlg	Maersk Pioneer SS	Semisubmersible	18.75	10000	EMSCO C2 Type II	20,000			1-RJS-236-B	Drilling
Marlin Drlg	Marlin No 7	Semisubmersible	13.63	10000	NATL 1625DE	30,000	1000	114	Campos Enchova	Workover
	Marlin 14	Jackup	13.63	1000	NATL 1625DE	25,000	150	14		Drilling
Ocean Drlg & Expl	Ocean Cyclone	Drillship	16.75	5000	NATL 1625	25,000	600	600	1-SPS-23	Drilling
	Ocean Zephyr	Semisubmersible	21.25	10000	EMSCO 3CT2	25,000	600	600	1-RJS-239	Drilling
	Zephyr II	Semisubmersible	21.25	10000	EMSCO C3T2	25,000	600	600	1-RJS-139A	Drilling
Penrod Drlg	59	Jackup	13.63	10000	NATL 1625DE	30,000	220	95		Drilling
	62	Jackup	13.63	10000	NATL 1625DE	30,000	330	308		Drilling
	71	Semisubmersible	13.63	10000	NATL 1625	30,000	1000	970		Drilling
	72	Semisubmersible	13.63	10000	NATL 1625DE	30,000	300	393		Drilling
	74	Semisubmersible	13.63	10000	NATL 1625DE	30,000	1700			Undesignated
	75	Semisubmersible	13.63	10000	NATL 1625DE	30,000	2000	677		Drilling
Reading & Bates	C E Thornton	Jackup	20.00	10000	DWS E3000	25,000	300		Para-1 Mas-16	Contracted To Petrobras
Rowan Co	Rowan Middletown	Jackup	13.63	10000	NATL 1625		300		Salvador	Available
Sedco Inc	Sedco 135-F	Semisubmersible	13.63	10000	OILWELL 3000E	25,000	800	430	Petrobras GP-1 GP-2	Preparing To Move
Sedco Intl SA	Sedco 135-D	Semisubmersible	16.75	5000	OILWELL 3000E	25,000	800	413	Petrobras-Campos	F P F
Sonat Offshore Drlg inc Group	Discover 534	Drillship	16.75	10000	NATL 1625DE	25,000	3000			Drilling
	Orion	Jackup	13.63	10000	NATL 1320DE	20,000	275			
Transworld Drlg	61	Semisubmersible	13.63	10000	EMSCO A1500E	20,000	600	380	Pampo	Production Mode
Tropic Drlg	DS Tainaron	Drillship	18.75	10000	NATL 1320UE	30,000	1000	500	Campos Basin	Drilling
CHILE										
Diamond M	Magallanes	Jackup	13.63	5000	OILWELL E3000	25,000	150	95	Strait of Magellan	Drilling
	Nugget	Jackup	13.63	5000	OILWELL E3000	30,000	300	118	Strait of Magellan	Drilling
VENEZUELA										
Loffland Bros	R-71-WO	Barge			IDECO H25				Zulia-Lake Maracaibo	Working
	V-101	Barge	6.00	5000	IDECO 711	10,000			Zulia W Ven-Lake Maracaibo	Standby
	V-105	Barge	10.00	5000	M-CSCO U914B	18,000			Zulia W Ven-Lake Maracaibo	Drilling
	V-114	Barge	10.00	5000	M-CSCO U914C	18,000			Zulia W Ven-Lake Maracaibo	Drilling
	V-116	Barge	10.00	5000	NATL 130	20,000			Zulia W Ven-Lake Maracaibo	Stacked
Perforaciones Alta Mar CA	Rig I	Tender			NATL 1625	20,000				Drilling
Rowan Co	Rowan Odessa	Jackup	13.63	10000	NATL 1625	25,000	300		Coro	Drilling
Santa Fe Drlg	Orinoco I (R132)	Barge	21.25	10000	OILWELL E2000	20,000	20			Drilling
	Reina Del Lago	Barge	12.00	3000	NATL 80E	14,000	100		Lake Maracaibo	Drilling
	Rey Del Lago	Barge	12.00	3000	NATL 80E	14,000	100		Lake Maracaibo	Drilling
Sonat Offshore Drlg Inc Group	Estrellita/T-27	Jackup/Tender	13.63	5000	NATL 1320	10,000	150			Drilling
	Polarcub/Lama	Jackup/Tender	12.00	5000	NATL 110	15,000	100			
	Rig 60/OV-1	Jackup/Tender	10.00	5000	EMSCO A1100E	14,000	100			
Western Offshore Drlg & Expl	Western Offshore IX	Drillship	18.75	10000	NATL 1625DE	25,000	750	280	Loran #2	Drilling
SOUTHEAST ASIA										
BRUNEI										
Maersk Drlg	Aquadril 1 SCP	Platform	13.63	5000	EMSCO C2 Type II	15,000			SWA 113	Drilling
Reading & Bates	Harvey H Ward	Jackup	13.63	10000	NATL 1625	25,000	300		Brunei-SWA/227	Contracted To Shell
	I J Pierce	Platform/Tender	20.00	5000	OILWELL 840E	18,000			S W Ampa Field #226	Contracted To Shell
	J W Nickle	Platform/Tender	20.00	5000	OILWELL 840E	18,000			Champion CPDP-25CP	Contracted To Shell
BURMA										
Forex Neptune and/or Affil	Trident 1	Jackup	13.63	10000	GAR-DEN 1500UE	21,700		250		Drilling

SOUTHEAST ASIA (Cont'd)

Contractor	Rig name or no.	Type	BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
EAST KALIMANTAN										
Rowan Intl	Rowan Fairbanks	Barge	13.63	5000	NATL 1320UE	25,000	20		Tambora #11	Drilling
HONG KONG										
Global Marine Drlg	Glomar Adriatic VIII	Jackup	13.63	10000	NATL 1625DE	25,000	300			Under Construction
INDIA										
Atwood Oceanics	Gettysburg	Barge	18.75	10000	NATL 1320	20,000	600	165	Palk Strait PY-1-4A	Drilling
	Shenandoah	Jackup	13.63	10000	EMSCO C2	20,000	300	239	Platform SR-5	Drilling
Dixilyn-Field Drlg	95	Semisubmersible	18.75	10000	NATL 1625DE	25,000	600			Drilling
Griffin-Alexander Drlg	G-A I	Jackup	13.63	10000	UNIT EB1220	25,000	200		GSI-1	Drilling-Oil & Nat Gas Comm
Reading & Bates	J W Bates	Drillship	20.00	10000	NATL 1320UE	20,000	600		Bombay Harbor	Waiting On Orders
	W T Adams	Jackup	13.63	10000	NATL 1525E	25,000	300		Arabian Sea-Ratnagira R-12A	Contracted To ONGC
Sedco Intl SA	Sedco 445	Drillship	16.75	10000	OILWELL E3000	25,000	3000	956	Godauari Basin	Exploratory Drilling
INDONESIA										
Atwood Oceanics	Chancellorsville	Drillship	18.75	10000	EMSCO C2	20,000	1000	186	S China Sea-Strait of Malaca	Drilling-Conoco
	Margie	Semisubmersible	18.75	10000	NATL 1320	20,000	600	471	S China Sea-Natuna	Drilling
Dolphin Titan Intl	143	Tender/Jackup	13.63	10000	EMSCO A100E	16,000	150		Ardjuna-Java Sea	Drilling
Forex Neptune and/or Affil	37	Barge Gavrinis	13.63	5000	NATL 110UE	21,700	25	25	East Kalimantan	Drilling
	38	Barge Izenah	13.63	5000	NATL 110UE	21,700	25	25	East Kalimantan	Drilling
Global Marine Drlg	Glomar Robert F Bauer	Drillship	18.75	10000	NATL 1625DE	25,000	2500	2500		Drilling
Japan Drlg	Hakuryu III	Semisubmersible	18.75	10000	EMSCO C3111	30,000	1000	266	ANOA-6	Drilling
	Hakuryu IV	Jackup	13.63	10000	NATL 1625DE	25,000	295	25	WITA-1	Drilling
Ocean Drlg & Expl	Ocean Hurricane	Drillship	16.75	10000	NATL 1625	25,000	600	600	NBI-1X	Drilling
Penrod Drlg	84	Jackup	13.63	10.00	NATL 1320UE	25K	250			Drilling
	94	Jackup	13.63	10.00	NATL 1320UE	25K	250			Drilling
Reading & Bates	Chris Seger	Jackup	29.50	10000	IDECO 2500	20,000	210		Indonesia-KE-1	Contracted To Kodeco
	D K McIntosh	Jackup	30.00	10000	NATL 1320	20,000	250		Java Sea-Farida B-5	Contracted To IIAPCO
	Dickson M Saunders	Jackup/Tender	20.00	5000	NATL 80B	15,000	160		Java Sea-Yvonne-12	Contracted To IIAPCO
	J W McLean	Jackup	20.00	10000	NATL 130	20,000	225		Java Sea-UB-5	Contracted To ARCO
Santa Fe Drlg	Santa Fe Explorer	Jackup	20.00	5000	UNIT RIG U914	15,000	160		Java Sea	Drilling
	124	Jackup	13.63	5000	NATL 1625DE	20,000	250		Java Sea	Drilling
	127	Jackup	13.63	5000	NATL 1320UE	20,000	250		Java Sea	Drilling
	134	Jackup	21.25	10000	NATL 1320UE	20,000	250		Nakassar Sirait	Drilling
Sonat Offshore Drlg Inc Group	Discoverer III	Drillship	16.75	5000	NATL 1625	20,000	600			Enroute
Transworld Drlg	71	Jackup	13.63	10000	EMSCO C3 Type 2	25,000	250	100		Drilling
Zapata Offshore	Enterprise (35)	Jackup			EMSCO C3 Type II			84	Java Sea	Drilling
	Investigator	Drillship	13.63	5000	IDECO H2500	16,500	450	129	Java Sea	Drilling
	32	Jackup	13.63	10000	NATL 1320	20,000	250		Java Sea	Drilling
JAPAN										
Japan Drlg	Hakuryu II	Semisubmersible	20.75	5000	EMSCO C311	30,000	656	98	Teradomari-Oki IA-II	Drilling
	Hakuryu V	Semisubmersible	18.75	10000	EMSCO C3II	30,000	1640	246	Nedo 57 Nishi 1 O/S Kyushu	Drilling
Keydril	Key Hawaii	Jackup	13.63	10000	NATL 1625DE	25,000	300		Tama	Under Construction
KALIMANTAN										
Rowan Intl	Rowan-Morgan City (Fxd Ht)	Barge	13.63	5000	NATL 1320UE	25,000	20		Tambora #12	Drilling
KOREA										
Houlder Marine Drlg	High Seas Driller	Semisubmersible	18.75	15000	NATL 1625E	25,000/5"				Under Construction
Santa Fe Drlg	135	Semisubmersible	18.75	10000	OILWELL E3000	25,000	1500			Under Construction
	140	Semisubmersible	18.75	10000	OILWELL E3000	25,000	1500			Under Construction
Sedco Inc	Sedco-712	Semisubmersible	18.75	15000	OILWELL E3000	25,000	1500			Under Construction
	Sedco-714	Semisubmersible	18.75	15000	OILWELL E3000	25,000	1500			Under Construction
MALAYSIA										
Atlantic Drlg	Benlomond	Drillship	18.75	10000	EMSCO C2 Type	20,000	1000	52 m	Tiga Papan-A (Offshore Sarah)	Contract to BP to Fall 83
Forex Neptune and/or Affil	Grand Large	Tender	13.63	5000	GAR-DEN 1500UE	21,700	250	250		Drilling
Loffland Bros	46	Platform	13.63	5000	M-CSCO U914CE	18,000				Stacked
	47	Platform	13.63	5000	M-CSCO U914	18,000			Ktrengganu Tiong 'A'	Working
Reading & Bates	Charley Graves	Platform/Tender	20.00	10000	NATL 1320UE	25,000			Sarawak-Bokor	Contracted To Shell
	D R Stewart	Jackup	13.63	10000	OILWELL E3000	25,000	300		Sarawak-ES-2	Contracted To Shell
Sedco Inc	Sedco 135-E	Semisubmersible	20.00		OILWELL 3000	25,000	600		BSP Borneo	Exploratory Drilling
Southeastern Ocean Drlg	Sedco 135-A	Semisubmersible	13.63	5000	OILWELL 3000	25,000	600	177	Sarawak	Exploratory
PHILIPPINES										
Western Oceanic	Apollo 1	Jackup	13.63	10000	EMSCO C3	20,000	300		Libro	Drilling
SINGAPORE										
Atwood Oceanics	Mission Viking	Barge	18.75	10000	NATL 1625DE	20,000	600			Drydock
Global Marine Drlg	Glomar Adriatic IV	Jackup	13.63	10000	NATL 1625DE	25,000	300			Under Construction
	Glomar Conception	Drillship	18.75	10000	NATL 1625DE	25,000	600	600		Drilling
Houston Offshore Intl	Sabine V	Jackup	13.63	10000	NATL 1320UE	20,000	200			U/C-Available 12/82
J L Offshore	Dan Queen	Semisubmersible	18.75	10000	NATL 1320UE	20,000	1000		Western Anchorage	Available
	Danwood Ice	Drillship	18.75	10000	NATL 1320UE	20,000	1000		Western Anchorage	Drilling

Contractor	Rig name or no.	Type	BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
					SOUTHEAST ASIA (Cont'd)					
SINGAPORE (Cont'd)										
JFP Well Serv	JFP Seven	Jackup	13.63	1000	OILWELL E2000	25,000	300			Working On Location
Transocean Drlg	Transocean No 7	Jackup	13.63	10000	EMSCO C3 Type 2	25,000	300			Under Construction
Western Oceanic	Western Pacesetter IV	Semisubmersible	18.75	10000	EMSCO C3 Type II	25,000	1500			Under Construction
Western Offshore Drlg & Expl	Western Offshore IV	Barge	16.75	5000	NATL 1320DE	20,000	600			Idle
	Western Offshore VII	Barge	16.75	5000	GAR-DEN 2100RE	25,000	600			Idle
SOUTH KOREA										
Reading & Bates	Jim Cunningham	Semisubmersible	18.75	10000	NATL 1625DE	25,000	1500			U/C-Contracted-Cities Service
	M G Hulme Jr	Semisubmersible	18.75	10000	NATL 1625	25,000	1500			U/C-Contracted To Burmah Oil
TAIWAN										
Western Oceanic	Apollo III	Jackup	13.63	10000	EMSCO C3II	20,000	300			Under Construction
	Apollo IV	Jackup	13.63	10000	EMSCO C350	20,000	400			Under Construction
THAILAND										
Global Marine Drlg	Glomar Tender III	Tender	13.63	5000	NATL 1625DE	25,000			Urawan D8	Drilling
Great Eastern Drlg & Engrg	Seacrest	Drillship	18.75	10000	OILWELL E3000	25,000	10500	10500	Gulf of Thailand	Drilling
Reading & Bates	W D Kent	Platform-Tender	13.63	5000	NATL 1320UE	25,000			Erawan	Contracted To Union Oil
Western Oceanic	Western Polaris I	Jackup	13.63	10000	NATL 1320UE	20,000	250		Nong Kae	Drilling
					UNITED STATES					
ALABAMA-UNDESIGNATED										
Penrod Drlg	65 Mobil	Jackup	13.63	10000	EMSCO C3	30,000	210			Stacked
ALABAMA-MOBIL BAY										
Global Marine Drlg	Glomar High Island IV	Jackup	13.63	10000	NATL 1320UE	20,000	250	250	Blk 77	Drilling
ALABAMA-MOBILE										
Diamond M	Diamond M Falcon	Semisubmersible	18.75	10000	OILWELL E3000	30,000	2000			Under Construction-Del 1983
ALASKA-BERING SEA										
Sedco Maritime	Sedco 708	Semisubmersible	18.75	10000	OILWELL E3000	25,000	2000		North Aleutian Cost #1	Drilling
CALIFORNIA-UNDESIGNATED										
Challenger Drlg	#30 EOS				NATL 1320DE	22,000				Running
Diamond M	Diamond M Eagle	Semisubmerisble	18.75	10000	OILWELL E3000	30,000	2000			Under Construction-Del 7/82
	Diamond M General	Semisubmersible	18.75	10000	OILWELL E3000	30,000	1500			Mobilizing to West Coast
Global Marine Drlg	Glomar Coral Sea	Drillship	18.75	10000	NATL 1625DE	25,000	1500	1500		
	Glomar Java Sea	Drillship	18.75	10000	NATL 1625DE	25,000	1000	1000	S/L 309 #9	Drilling
	Glomar Pacific	Drillship	16.75	10000	NATL 1625DE	25,000	2000	2000	OCS-P-0183 #2	Drilling
Sedco Maritime	Sedco 702	Semisubmersible	21.25	10000	OILWELL E3000	25,000	1200	267	OCS Blk #P-0450-2 Well #2	Drilling
CALIFORNIA-HUNTINGTON BEACH										
Pool Offshore	426	Platform	13.63	5000	OIME 750	10,000		130	Platform Emmy	Working-Aminoil
CALIFORNIA-ISLE ESTHER-CHEVRON										
Pool Offshore	Rig #4	Platform	10.00	5000	NATL T45	6,000				Working
CALIFORNIA-LOS ANGELES										
Rowan Co	Rowan-Alaska	Jackup	13.63	10000	NATL 1625DE	30,000	350			Available
CALIFORNIA-OFFSHORE										
Global Marine Drlg	Glomar Atlantic	Drillship	18.75	10000	NATL 1625DE	25,000	2000	2000	OCS PO315#3	Drilling
CALIFORNIA-PLATFORM GRACE										
Global Marine Drlg	Glomar Platform I	Platform	13.63	5000	NATL 110UE	16,000			Blk P-0217	Drilling
	Glomar Platform II	Platform	13.63	5000	NATL 110UE	16,000			Blk P-0217	Drilling
CALIFORNIA-SAN FRANCISCO BAY										
Ocean Drlg & Expl	Ben Ocean Lancer	Drillship	16.75	10000	GAR-DEN 3000E	25,000	3000			Drydock
CALIFORNIA-SANTA BARBARA										
Keydril	Key Singapore	Jackup	13.63	10000	NATL 1625	25,000	300			Drilling
Zapata Offshore	Zapata Concord	Semisubmersible	18.75	10000	OILWELL E3000	25,000	2000	328	San Maria Basin	Drilling
CALIFORNIA-SANTA BARBARA CHNL										
Pool Offshore	428	Platform	13.62		IDECO 2000	20,000			PL Habitat	Working
	429	Platform			IDECO E2100	16,000			Platform Gilda	Working-Union Oil
CALIFORNIA-SANTA MARIA BASIN										
JFP Well Serv	JFP Three	Jackup	13.63	10.00	OILWELL E2000	25,000	300		OCS-P-0435	Drilling
CALIFORNIA-SANTA PAULA										
Pool Offshore	Rig #421	Platform	13.63	5000	OIME 750	12,000				Stacked
	Rig 10	Platform	13.62	5000	OIME 750	8,000				Stacked
	Rig 358	Platform	11.00		HOPPER 500	6,500				Stacked
	Rig 420	Platform	13.62	5000	OIME 750	8,000				Stacked
	Rig 422	Platform	13.62	5000	OIME 750	8,000				Stacked
	430	Platform			OIME 2000	16,000				Stacked
CALIFORNIA-VENTURA CITY										
Pool Offshore	Rig 38	Platform			FRANKS 550	5,500			Sespe Field	Working For Argo Petroleum

Contractor	Rig name or no.	Type	BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
				UNITED STATES (Cont'd)						
FLORIDA-DESTIN DOME										
Diamond M	Rig 99	Jackup	13.63	5000	OILWELL E3000	30,000	300	277	Blk 563	Drilling
LOUISIANA-UNDESIGNATED										
Atlantic Pacific Marine	Gulf Commander	Jackup	13.63	5000	EMSCO A800WE	14,000	100			
	Ranger III	Jackup	10.00	5000	GAR-DEN DW500R	9,000	70			
	Ranger IV	Jackup	10.00	5000	OILWELL 660	9,000	73			
	11	Barge	13.63	10000	OILWELL E2000	25,000	13			
	12	Barge	13.63	5000	OILWELL E2000	25,000	13			
	14	Barge	13.63	5000	OILWELL E2000	25,000	13			
	7	Barge	13.63	10000	OILWELL 2000	25,000	20			Not Available
	8	Barge	13.63	10000	OILWELL 2000	25,000	20			
Blocker Drlg & Marine	Vermilion Bay	Barge	13.63	10000		30,000				Drilling
Booker Drlg	100	Platform	6.00	5000	GAR-DEN 500					Idle
	11	Platform	10.00	5000	GAR-DEN 3000					Idle
	120	Platform	10.00	5000	GAR-DEN 500					Idle
	150	Platform	10.00	5000	GAR-DEN 500					Idle
	160	Platform	10.00	5000	GAR-DEN 500					Idle
	50	Platform	10.00	5000	GAR-DEN 500					Idle
	60	Platform	10.00	5000	GAR-DEN 500					Idle
	70	Platform	10.00	5000	GAR-DEN 500					Idle
	8	Platform	2.50	5000	GAR-DEN 3000					Idle
	80	Platform	10.00	5000	GAR-DEN 500					Idle
	90	Platform	6.00	5000	GAR-DEN 500					Idle
	950	Platform	13.63	5000	GAR-DEN 1000	10,000				Idle
Cliffs Drlg	1	Barge	13.63	10000	M-CSCO U1220EB	30,000	18			Drilling
	2	Barge	13.63	10000	M-CSCO U1220EB	30,000	7'6-18			Drilling
	3	Barge	13.63	10000	M-CSCO U1220EB	30,000	7'6-18			Drilling
	4	Barge	13.63	10000	M-CSCO U1220EB	30,000	7'6-18			Drilling
Dolphin Titan Intl	103	Jackup	10.00	5000	IDECO H35D	15,000	10-70			Available
	123	Platform	13.63		IDECO E1700	20,000				Available
	124	Platform	13.63	5000	EMSCO U1220EB	20,000				Available
	125	Platform	13.63	5000	NATL 2320UE	25,000				Available
	126	Platform	13.63	5000		25,000				Available
	127	Platform	13.63	10000	EMSCO C3 Type 11	25,000				Available
Eagle Offshore Drlg Serv	Eagle M-101	Barge	13.63	10 Kpsi	OILWELL E3000	30,000	20			Stacked
Goldrus Marine Drlg	Goldrus Marine 2	Barge	13.63	10000	OILWELL 3000E	30,000	20	8		Available
	Goldrus Marine 3	Barge	13.63	10000	OILWELL 3000E	30,000	20	8		Available
Harris Well Serv	16	Barge	7.16	5000	M-CSCO U36A	10,000	12	12		Working
Huthnance Drlg	Vanguard II	Jackup	13.63	10000	EMSCO U1220EB	25,000	300			Exploratory Drlg
Livingston Oilwell Serv	11 Workover	Platform	2.50	5000	WILSON Super					Stacked
	14 Workover	Barge	6.00		WILSON Super 38		10			Stacked
	16 Workover	Platform	2.50	5000	WILSON Super					Stacked
	18 Workover	Barge	7.06	5000	WILSON Mogul 42	8,000	12			Stacked
	22 (Drilling)	Barge	11.00	5000	WILSON Super Giant	12,000	12			Stacked
	3 Workover	Platform	2.50	5000	WILSON Super					Stacked
	40 Hyd Snubbing	Platform	4.16	10000	HYDRA LHD 135T					Stacked
	41 Hyd Snubbing	Platform	4.16	10000	HYDRA LHD 135T					Stacked
Loffland Bros	Barge 154	Barge	10.00	5000	M-CSCO U1220	22,000				Stacked
	17	Platform	13.63	5000	M-CSCO U1220BE	22,000				Stacked
	4	Platform	13.63	5000	M-CSCO U1220BE	22,000				Stacked
	75	Platform	13.63	5000	M-CSCO U1220BE	22,000				Stacked
	78	Platform	13.63	5000	M-CSCO U1220BE	22,000				Stacked
	79	Platform	13.63	5000	M-CSCO U1220BE	22,000				Stacked
Mayronne	M-162	Platform	13.63	10000	NATL 1320UE	20,000				Drilling
Nicklos Drlg	Mr John 21	Barge			NATL 130	20,000				Drilling
	20 Mr E J	Barge			NATL 130	20,000	12	12		Available
	30	Tender Assisted			NATL 110	16,000		240		Available
Noble Drlg	NN-1	Jackup			GAR-DEN 1500	20,000	12-45			Stacked
	PB-1	Barge			GAR-DEN 1500	20,000				Stacked
	Sam Noble	Jackup			OILWELL E3000	25,000				Under Construction
Penrod Drlg	Barge 44	Barge			NATL 1625 DE	30,000	10			Stacked
	Barge 46	Barge	13.63	10000	EMSCO ECB	20,000	16			Stacked
	38	Platform	13.63	10000	NATL 1320UE	25,000	300			Stacked
	50	Submersible	13.63	10000	EMSCO A1500E	25,000	50			Stacked
	51	Submersible	13.63	10000	EMSCO A1550E	25,000	60			Stacked
	52	Jackup	13.63	10000	NATL 1320	25,000	250			Stacked
	53	Jackup	13.63	10000	NATL 1625DE	30,000	300			Stacked
	83	Jackup	13.63	10000	NATL 1320DE	25,000	250			Stacked
	86	Jackup	13.63	10000	NATL 1320UE	25,000	250			Stacked
Pool Offshore	Rig #452	Platform	13.63	5000	OIME 1500	8,000				Yard-Being Rebuilt
	53	Jackup			OIME 750	13,000	90		Chevron	Working
Rebstock Drlg	2	Barge	10.00	5000	NATL N80	14,000	12			Stacked
	3	Barge	10.00	5000	GAR-DEN 800	13,000	12			Stacked
	4	Barge	13.63	5000	OILWELL 860	18,000	12			Stacked
Rio Grande Drlg	4	Barge	13.63	10000	NATL 1320M	25,000	14		Fee #B-29	
Santa Fe Drlg	Blue Water No 2	Submersible	13.63	10000	NATL 1625DE	25,000	55			Drilling
	Blue Water No 4	Semisubmersible	16.75	10000	EMSCO C3	25,000	1500			Drilling
	Mariner 3	Semisubmersible	16.75	10000	OILWELL E2000	20,000	600	600		Idle
Service Equipment & Engrg	10	Platform	10.00		OIME 750	10,000				Stacked
	11	Platform	13.63	5000	IDECO E900	14,000				Stacked
	5	Platform	10.00		OIME 750	10,000				Stacked
	6	Platform	10.00		OIME 750	10,000				Stacked
	9	Platform	10.00		OIME 750	10,000				Stacked
Sonat Offshore Drlg Inc Group	Offshore Pegasus	Jackup	10.00	5000	NATL 110	16,000	125			Drilling
	Rig 25	Platform	13.63	5000	NATL 130E	15,000				Idle
LOUISIANA-ASSUMPTION										
Blocker Drlg & Marine	Terrebonne Bay	Barge	13.63	5000	OIME SL9E	20,000	12			Stacked
LOUISIANA-BAYOU SORREL										
Penrod Drlg	Barge 47	Barge			EMSCO A1500E	25,000	16	648		Drilling
	Barge 48	Barge	13.63	10000	NATL 1625DE	30,000	20	176		Drilling
LOUISIANA-BRETON SOUND										
Transworld Drlg	44	Submersible	13.63	5000	IDECO 1350S	18,000	40	19	Blk 29	Workover
LOUISIANA-BULLY CAMP										
Whalen Drlg	1	Barge	13.63	5000	NATL 1320UE	25,000	12	8	Blk 27-B	Drilling

Contractor	Rig name or no.	Type	BOP Stack		Drwwks make & model	Rated drig depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
			UNITED STATES (Cont'd)							
LOUISIANA-CAMERON										
CRC Mallard Well	Barge 1	Barge			WILSON Model 90	9,000				Stacked
Diamond M	Barge 40	Barge	10.00	5000	OILWELL 2000	25,000	12	15	S/L 9086 Well 2	Drilling
Goldrus Marine Drig	Goldrus Marine 4	Barge	13.63	10000	OILWELL 3000E	30,000	20	8		
Pool Offshore	50-Offshore	Jackup	10.00	5000	OIME 750	10,000	80			Shipyard-5 Year Inspection
Quarles Drig	16	Barge	13.63	5000	IDECO Super 711	17,000			Clair Marceaux #1	Drilling
Two R Drig	19	Barge			EMSCO C3	25,000	12	8	Deep Lake	Drilling
	2R20	Barge			EMSCO C3	25,000	12	8	Deep Lake	Drilling
Zapata Offshore	Intrepid	Jackup	13.63	10000	UNIT U1220B	20,000	300	135	Blk 70	Drilling
LOUISIANA-EAST BAYOU PIGEON										
Glendel Offshore Inc	Mr Glen	Barge	13.63	10000	BRWSTR NE12	25,000	12	8		Drilling-Gulf Oil & Expl
LOUISIANA-EAST CAMERON										
Booker Drig	14	Platform	10.00	5000	GAR-DEN 3000				Blk 338	W/O
Chiles Drig	Platform I	Platform	13.63	10000	NATL 1320UE	20,000		125	Blk 240	Drilling
Dixilyn-Field Drig	84	Jackup	13.63	10000	NATL 818MI	20,000	250		Blk 231	Drilling
Dolphin Titan Intl	104	Jackup	10.00	5000	IDECO H35D	15,000	10-70		Blk 46	Workover
Huthnance Drig	12	Platform	13.63	10000	M-CSCO U1220	25,000			Blk 330	Developmental Drig-Gulf
Keyes Offshore	Keyes - 301	Jackup	13.63	10000	EMSCO 2000	16,000	300	83	Blk 142	Drilling
Marine Drig	J Storm XII	Jackup	13.63	10000	NATL 1320	20,000	200	123	Blk 47	Drilling-Committed
Ocean Drig & Expl	Ocean Explorer	Semisubmersible	13.63	5000	EMSCO EDES	25,000	600	600	Blk 351	Drilling
Pool Offshore	Rig #14	Platform			NATL T45	6,000			Blk 349	Working-Marathon
Reading & Bates	Rig 50	Platform	13.63	10000	NATL 1320	18,000			Blk 220	Contracted To Texas Gas
Service Equipment & Engrg	12	Platform	13.63	500	IDECO E900	14,000			Blk 232-D	Drilling
Teledyne Movible Offshore	14	Platform	10.00	5000	GAR-DEN RE500	8,000			Blk 321	Drilling
Transworld Drig	68	Submersible	13.63	10000	EMSCO C3 Type 2	25,000	100	27	Blk 2	Drilling
LOUISIANA-ELOI BAY										
Glendel Offshore Inc	Mr Beldon #7	Posted Barge	13.63	10000	BRWSTR NE12	25,000	20	15		Drilling-Texas Intl Petroleum
	Mr George #8	Posted Barge	13.63	10000	GAR-DEN 3000	30,000	25	17		Drilling-Texas Intl Petroleum
LOUISIANA-EUGENE ISLAND										
Booker Drig	951	Platform	10.00	5000	GAR-DEN 1000	8,000			Blk 330	Drilling
	952	Platform	13.63	5000	GAR-DEN 1000	8,000			Blk 287	Drilling
Cactus Intl	103	Platform	13.63	5000	OILWELL E2000	25,000		265	Blk 337	Operating-Pennzoil
Diamond M	97	Platform	13.63	5000	OILWELL E2000	25,000		233	Blk 314	Drilling
Dolphin Titan Intl	101	Jackup	6.00	5000	IDECO H35D	15,000	10-70		Blk 89	Workover
Global Marine Drig	Glomar High Island VI	Jackup	13.63	10000	NATL 1320UE	20,000	250	250	Blk 247	Drilling
	Glomar Main Pass II	Jackup	13.63	10000	NATL 1625DE	25,000	300	300	Blk 159	Drilling
Houston Offshore Intl	Sabine I	Jackup	13.63	10000	NATL 1320UE	20,000	200		Blk 136 #2	Drilling-Shell Offshore
Noble Drig	S-55	Semisubmersible	13.63	10000	NATL 1625DE	25,000	80		Blk 129	Working
	24	Platform	13.63	10000	NATL 1625DE	25,000			Blk 360	Working
	28				GAR-DEN 1500E	20,000			Blk 351	Working
Ocean Drig & Expl	Mr Charlie	Submersible	13.63	5000	EMSCO EDES	25,000	40	40	Blk 88	Drilling
	Ocean Traveler	Semisubmersible	13.63	10000	NATL 1625DE	25,000	600	600	Blk 316	Drilling
Penrod Drig	31	Platform	13.63	10000	NATL 110UE	16,500	300	471	Blk 314-B	Drilling
	82	Jackup	13.63	10000	NATL 1320DE	25,000	250	250	Blk 10	Drilling
	88	Jackup	13.63	10000	NATL 1320UE	25,000	250		Blk 196	Drilling
Platform Well Serv	7	Platform	6.00	5000	OIME 750	7500			GOM	Working
Reading & Bates	Leo M Clark	Platform/Tender	13.63	10000	NATL 110M	18,000			Blk 215	Contracted To Tenneco
	63	Platform	13.63	10000	OILWELL E3000	25,000			Blk 315	Drilling-Contracted To McMoran
Teledyne Movible Offshore	6	Platform	13.63	5000	NATL 1320DE	20,000			Blk 273	Drilling
Transworld Drig	47	Submersible	13.63	10000	EMSCO A1500E	20,000	70	24	Blk 68	Idle
	50	Jackup	13.63	5000	NATL 55	12,000	70	41	Blk 112	Idle
	65	Submersible	13.63	10000	EMSCO C3 Type II	25,000	70	19	Blk 49	Idle
Zapata Offshore	Louisiana	Submersible	13.63	5000	UNIT U1220BE	20,000	50	22	Blk 63	Drilling
LOUISIANA-FOURCHON										
Ocean Drig & Expl	El Dorado	Submersible	13.63	5000	EMSCO EDES	25,000	70			Stacked
	John Hayward	Submersible	10.00	5000	EMSCO EDA	25,000	30			Stacked
LOUISIANA-GALVESTON BAY										
Glendel Offshore Inc	Mr Del	Barge	13.63	10000	BRWSTR NE12	25,000	20	10		Drilling-Howell Oil & Gas
LOUISIANA-GARDEN BANKS										
Dual Marine Drig	23	Platform	13.58	10000	OILWELL E3000	25,000			Blk 236	Operating
LOUISIANA-GRAND CHANDELIER										
Penrod Drig	63	Jackup	13.63	10000	NATL 1320UE	25,000	250	26	Blk 28	Drilling
LOUISIANA-GRAND ISLAND										
Diamond M	94	Platform	13.63	5000	OILWELL E2000	20,000		35	Blk 16	Drilling
Fluor Drig Serv	Mr Mel #59	Jackup	13.63	10000	NATL C1625DE	30,000	350	218	Blk 90	Drilling-Available 12/82
Livingston Oilwell Serv	12 Workover	Platform	2.50	5000	WILSON Super				Blk 16	Working
	15 Workover	Platform	2.50	5000	WILSON Super 38				Blk 16	Working
LOUISIANA-GRAND ISLE										
Booker Drig	130	Platform	10.00	5000	GAR-DEN 500				Blk 16	W/O
Loffland Bros	74	Platform	13.63	5000	M-CSCO U1220BE	22,000			Blk 20	Working
Penrod Drig	37	Platform	13.63	10000	EMSCO C2	25,000	300		Blk 16	Drilling
Zapata Offshore	Zapata Explorer	Jackup	13.63	10000	OILWELL 3000E	25,000	240	90	Blk 15	Drilling
LOUISIANA-GREEN CANYON										
Zapata Offshore	Zapata Lexington	Semisubmersible	18.75	10000	OILWELL E3000	25,000	2000	380	Blk 4	Drilling
LOUISIANA-GREENS CANYON										
Keydril	Aleutian Key	Semisubmersible	18.75	10000	OILWELL E3000	25,000	3000	2000		Drilling
LOUISIANA-HARVEY										
Mayronne	M-142	Platform	13.63	5000	BRWSTR N12	18,000				Stacked In Harvey Yard
	M-152	Platform	13.63	5000	BRWSTR N20	18,000				Stacked In Harvey Yard

Contractor	Rig name or no.	Type	BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
UNITED STATES (Cont'd)										
LOUISIANA-HARVEY (Cont'd)										
Pool Offshore	Rig #11	Platform	13.63	5000	NATL 110H	16,000				Stacked
	Rig #17	Platform	13.63	5000	OIME 1500	16,000				Stacked
	Rig #2	Platform	10.00	5000	NATL T45	7,000				Stacked
	Rig #3	Platform			NATL T45	6,000				Stacked
	Rig 423	Platform	13.63	5000	OIME 1000E	12,000				Stacked
	453	Platform	13.63	5000	OIME 1500	16,000				Stacked
	456	Platform	13.63	5000	OIME 1500	16,000				Stacked
	457	Platform	13.63	5000	OIME 1500	16,000				Stacked
	7	Platform	13.63	5000	NATL 110	16,000				Stacked
LOUISIANA-HIGH ISLAND										
Pool Offshore	140	Platform	10.00	5000	IDECO	8,000			Blk 517	Working-Gulf
LOUISIANA-HOUMA										
Quarles Drlg	23	Barge	13.63	10000	OILWELL E3000	30,000	28			Stacked
LOUISIANA-IBERIA										
Bay Drlg	Gardner	Semisubmersible	10.00	5000	EMSCO B3661	22,000	10	8	Mound Point	Drilling
Loffland Bros	Barge 143	Barge	10.00	5000	M-CSCO U1220	22,000				Working
Merit Drlg	2	Posted Barge	13.63	10000	OILWELL E2000	25,000	20	12	Brownell Kidd 1-19	Working
LOUISIANA-IBERVILLE										
Wheless Drlg	Barge 7	Barge	12.00	5000	NATL 130	25,000	12	10		
LOUISIANA-JEFFERSON										
Map Drlg	1	Barge	7.06	5000	OILWELL 66	11,000	8	8	Bayou Perot Field	Working Over
LOUISIANA-LAFAYETTE										
Challenger Drlg	38 EOS	Platform	13.63	5000	NATL 110	18,000				Stacked
LOUISIANA-LAFOURCHE										
Blocker Drlg & Marine	Trinity Bay	Barge	13.63	10000	IDECO E3000	30,000			Blk S/L 8720-1	Drilling
Diamond M	Rig 47	Posted Barge	13.63	5000	OILWELL E3000	25,000	18	15	Lake Inferme Gas Field	Drilling
Noble Drlg	Barge 3	Barge			NATL 1320UE	20,000				Working
	Barge 4	Barge			NATL 160S	25,000				Working
Rebstock Drlg	Rig No 5	Posted Barge	13.63	5000	NATL 1320	20,000	24	12	Little Temple	Drilling
Shank Drlg Dean	DS-2	Barge	10.00	5000	WILSON 150-2000	18,000	10	8		
Wheless Drlg	Barge 15	Barge	12.00	5000	NATL 130	25,000	12	8		
LOUISIANA-LAKE WASHINGTON										
Glendel Offshore Inc	Mr Carl	Barge	13.63	10000	BRWSTR NE12	25,000	12		Eloi Bay	Drilling-Pend Orielle Oil/Gas
Livingston Oilwell Serv	5 Workover	Barge	6.00	5000	WILSON Mogul 42		10			Working
LOUISIANA-MAIN PASS										
Diamond M Drlg	95	Platform	13.63	5000	OILWELL E2000	25,000		119	Blk 72	Drilling
Dolphin Titan Intl	122	Platform	13.63	5000	NATL 110UE	16,000			Federal Waters Blk 296	Drilling
Noble Drlg	26	Platform	13.63	10000	NATL 1320UE	20,000			Blk 313-A	Working
Platform Well Serv	8	Platform	10.00	5000	OIME 750	7500			GOM	Working
Pool Offshore	Rig #5	Platform	10.00	5000	NATL T45	6,000			Blk 72	Working-Mobil
Teledyne Movible Offshore	2	Submersible	12.00		NATL 1625DE	25,000	70	70	Blk 28	Drilling
Whalen Drlg	3	Barge	13.63	10000	NATL 1625DE	30,000	20	14	Blk 22	Completion Work
LOUISIANA-MISSISSIPPI CANYON										
Diamond M	New Era	Semisubmersible	18.75	10000	OILWELL E3000	30,000	1200	464	Blk 20	Drilling
Noble Drlg	#31	Platform			OILWELL E2000	20,000			Blk 148-192	Working
Penrod Drlg	34	Platform	13.63	10000	NATL 110UE	16,500	300	343	Blk 268	Drilling
Zapata Offshore	Zapata Yorktown	Semisubmersible	18.75	10000	OILWELL E3000	25,000	2000	1097	Blk 485	Drilling-Exxon
LOUISIANA-MORGAN CITY										
Cactus Intl	163	Platform	13.63	5000	EMSCO Electrohoist II	25,000				Stacked
Reading & Bates	Rig 40	Platform	13.63	10000	NATL 1625	18,000				Stacked
Rowan Intl	Barge 4	Barge	13.63	10000	NATL 1625DE	30,000	22	14		Available
Zapata Offshore	Vinegarroon	Jackup	13.63	10000	OILWELL 96	15,000	130			In Port
LOUISIANA-MUSTANG ISLAND										
Fluor Drlg Serv	Mr Dave #61	Jackup	13.63	10000	NATL 1320UE	20,000	250	57	Blk 796-L	Drilling-Available 11/82
LOUISIANA-NEW IBERIA										
Marlin Drlg	Marlin #10	Platform	11.00	10000	NATL 610E	10,000				Stacked
	Marlin No 5	Platform	13.63	10000	NATL 1320DE	20,000				Stacked
Mayronne	M-172	Platform	13.63	10000	NATL 1320UE	20,000				Stacked
LOUISIANA-PLAQUEMINES										
Diamond M	46	Barge-Posted	13.63	10000	OILWELL E3000	30,000	18	15	S/L 192 Blk 1	Drilling
Phoenix Management	Big Foot One	Jackup	10.63	10000	GAR-DEN 2100E	25,000	85	18	West Bay Ls #192 Well #147	Expl-Prod Drilling For Gulf
Quarles Drlg	18	Barge	11.00	10000	GAR-DEN 800E	14,000	10			Stacked
	20	Barge	11.00	10000	IDECO E3000	25,000	18		Blk 9162	Stacked
Shank Drlg Dean	DS-I	Barge	10.00	5000	BETH 10131500	18,000	10	8		
Two R Drlg	Two R-14	Barge			WILSON 250	25,000	20	10	Delacroix	Drilling
LOUISIANA-RABBIT ISLAND										
Noble Drlg	PB-2	Posted Barge			OILWELL E3000	25,000				Working
LOUISIANA-SABINE PASS										
Fluor Drlg Serv	Mr Gus II #55	Jackup	13.63	5000	NATL 160E	25,000	150	30		Stacked-Available
Ocean Drlg & Expl	Ocean Queen	Semisubmersible	13.63	5000	EMSCO A1500	25,000	1200	1200	Blk 12	Drilling
Reading & Bates	N J Guilbeau	Tender/Platform	13.63	10000	NATL 1320	18,000			Blk 215	Contracted To Tenneco
Rowan Co	Rowan Paris	Jackup	13.63	10000	NATL 1625	25,000	300			Available
LOUISIANA-SHIP SHOAL										
Cactus Intl	102	Platform	13.63	5000	EMSCO C2	25,000		120	Blk 238	Operating-Kerr McGee
Diamond M	93	Platform	13.63	5000	NATL 110	16,000		185	Blk 253	Drilling
Livingston Oilwell Serv	17 Workover (Concentric)	Platform	2.50	5000	WILSON Super 38				Blk 269	Working
Marine Drlg	J Storm XIV	Jackup	13.63	10000	NATL 1320	20,000	200	87	Blk 91	Drilling-Committed
Marlin Drlg	Marlin No 2	Platform	13.63	5000	NATL 1320DE	20,000		230	Blk 181 B-10	Drilling
Merit Drlg	3	Posted Barge	13.63	10000	OILWELL E2000	25,000	20	8	Blk 38	Working
Ocean Drlg & Expl	Ocean Champion	Jackup	13.63	10000	NATL 1625DE	25,000	250	250	Blk 78	Drilling
	Ocean Pride	Jackup	13.63	5000	NATL 110	25,000	152	152	Blk 114	Drilling

UNITED STATES (Cont'd)

Contractor	Rig name or no.	Type	BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
LOUISIANA-SHIP SHOAL (Cont'd)										
Penrod Drlg	35	Platform	13.63	10000	NATL 1320UE	16,500	300	20	Blk 229	Drilling
Pool Offshore	9	Platform	13.63	5000	NATL T45	6,000			Blk 272	Working-Marathon
Salen Protexa Drlg	Totonaca	Jackup	13.63	10000	M-CSCO U1220BE	20,000	250		Blk 182	Drilling
Transworld Drlg	54	Submersible	13.63	5000	EMSCO B3661	20,000	175	115	Blk 218	Drilling
	73	Submersible	13.63	10000	OILWELL E3000	25,000	100	35	Blk 10	Drilling
Western Oceanic	Western Triton III	Jackup	13.63	10000	EMSCO C2	20,000	250		Blk 249	Drilling
LOUISIANA-SOUTH FLORENCE										
Penrod Drlg	Barge 43	Barge			NATL 1320DE	25,000	12		Vermilion Ph	Drilling
LOUISIANA-SOUTH MARSH ISLAND										
Bokenkamp Drlg	Rig #1	Platform	13.63	10000	OILWELL E2000	25,000			Blk 33	Drilling
Booker Drlg	20	Platform	6.00	5000	GAR-DEN 500				Blk 58	W/O
Fluor Drlg Serv	Mr Sam #55	Jackup	13.63	5000	GAR-DEN 1500RE	25,000	155	70	Blk 11	Drilling
Global Marine Drlg	Glomar High Island VII	Jackup	13.63	10000	NATL 1320UE	20,000	250	250	Blk 236	Drilling
Huthnance Drlg	Rig No 11	Platform	13.63	5000	M-CSCO U1220	25,000			Blk 99	Developmental Drlg-Exxon
Marine Drlg	J Storm XV	Jackup	13.63	10000	NATL 1625M	25,000	250		Blk 245	Drilling-Committed
Ocean Drlg & Expl	Ocean 66	Jackup	13.63	5000	EMSCO C3 Type 1	25,000	120	120	Blk 8	Drilling
Pool Offshore	Rig #136	Platform	13.63	5000	NATL 110	16,000			Blk 141	Working-Marathon
	23	Platform			NATL T45	7,000			Blk 268	Working-Placid
Teledyne Movible Offshore	5	Platform	13.63	5000	NATL 1320D	20,000			Blk 130	Drilling
Temple Drlg	Apache	Jackup	13.63	10000	OILWELL E3000	25,000	55	40	Blk 243	Drilling
Zapata Offshore	Rig 34	Self-Cont Platform			IDECO E3000				Blk 173	Drilling
LOUISIANA-SOUTH PASS										
Bokenkamp Drlg	Rig #2	Platform	13.63	10000	OILWELL E2000	25,000			Blk 78	Drilling
Booker Drlg	30	Platform	6.00	5000	GAR-DEN 500				Blk 65	W/O
Dolphin Titan Intl	102	Jackup	6.00	5000	IDECO H35D	15,000	10-70		Blk 27	Workover
Dual Drlg	39	Platform	13.63	10000	OILWELL E3000	25,000			Blk 89B	Operating
Dual Marine Drlg	24	Platform	13.58	10000	OILWELL E2000	25,000			Blk 78	Operating
Dual Offshore	12	Platform	13.58	10000	EMSCO C2	25,000			Blk 89	Operating
Huthnance Drlg	14	Platform	13.63	10000	M-CSCO U1220	25,000			Blk 77	Developmental Drlg-Chevron
	15	Platform	13.63	5000	M-CSCO U1220	25,000			Blk 49	Developmental Drlg-Gulf
Ocean Drlg & Expl	Ocean Driller	Semisubmersible	13.63	10000	EMSCO C2	25,000	600	600	Blk 38	Drilling
Pool Offshore	Rig #8	Platform	10.00	5000	NATL T45	6,000			Blk 70	Working-Shell
	142	Platform			750 HP WILSON 75	10,000			Blk 78	Working-Pennzoil
	425	Platform	13.63	5000	OIME 1000	16,000			Blk 54	Working-Texaco
	51	Jackup	10.00	5000	OIME 750	10,000	80		Blk 10 90M	Working-Mobil
	80	Platform	13.63	5000	IDECO 2000	20,000				Working-Shell
LOUISIANA-SOUTH PELTO										
Houtech Well Serv	Houtech JU-III	Jackup	11.25	10000	GAR-DEN 700M	10,000	73	30	Blk 8	Running
Marine Drlg	J Storm XI	Jackup	13.63	10000	NATL 1320	20,000	200	40	Blk 8	Drilling-Committed
Ocean Drlg & Expl	Ocean Liberty	Jackup	10.00	5000	NATL 80	12,000	80	60	Blk 19	Drilling
LOUISIANA-SOUTH TIMBALIER										
Dolphin Titan Intl	129	Platform	13.63	10000	EMSCO C3 Type 11	25,000			Blk 165	Drilling
Fluor Drlg Serv	Mr Si #60	Jackup	13.63	10000	NATL C1625DE	30,000	350	115	Blk 195	Drilling-Available 12/82
Ocean Drlg & Expl	Barge A	Submersible	14.00	5000	IDECO 2500	25,000	70	70	Blk 24	Drilling
	Ocean Chief	Jackup	13.63	5000	EMSCO A1500	25,000	225		Blk 147	Drilling
	Ocean Patriot	Jackup	13.63	10000	NATL 1320ME	25,000	152	152	Blk 87	Drilling
Penrod Drlg	69 Mobil	Jackup	13.63	10000	NATL 1625DE	30,000	330	188	Blk 188	Drilling
Reading & Bates	Geo M Reading	Platform/Tender	13.63	10000	IDECO M2500	20,000			Blk 27	Contracted To Tenneco
Service Equipment & Engrg	4	Platform	10.00		OIME 500				Blk 172-C	Workover
	7	Platform	10.00		OIME 750	10,000			Blk 131-J	Workover
Temple Drlg	Cheyenne	Jackup	13.63	10000	OILWELL E2500	25,000	200	85	Blk 36	Drilling
LOUISIANA-ST BERNARD										
Diamond M	Barge 15	Barge	10.00	5000	BETH B1013	14,000	10			Stacked
	Barge 26	Barge	10.00	5000	OILWELL 2000	20,000	12			Stacked
LOUISIANA-ST CHARLES										
CRC Mallard Well	Barge 4	Barge			NATL 80	[illegible]				Drilling-Amoco
LOUISIANA-ST MARTIN										
CRC Mallard Serv	35					10,000				Stacked
CRC Mallard Well	Mallard 33		6.00			8,000			GOM	Stacked
	Mallard 42	Platform	10.00		WILSON Model 65	14,000				Stacked
	Mallard 43	Platform	10.00		WILSON Model 65	14,000				Stacked
	34		6.00			10,000				Stacked
	44	Platform	10.00		WILSON Model 65	14,000				Stacked
	45		10.00		WILSON 65	8,000				Stacked
	46		13.63		WILSON Model 65	12,500				Stacked
Goldrus Marine Drlg	Goldrus Marine 1	Barge	13.63	10000	OILWELL 3000E	30,000	20	8		
Two R Drlg	Two R-6	Barge			EMSCO	25,000	12			Stacked
Wilson Bros Drlg	Barge A	Barge Non-Posted	13.63	5000	IDECO H1700	16,500	12	8		
LOUISIANA-ST MARY										
Bay Drlg	Gibbens	Semisubmersible	10.00	5000	NATL 130	18,000	10	8	Little Bay	Drilling
	Hebert	Semisubmersible	10.00	5000	EMSCO BL1013	16,500	10		Bateman Lake	Stacked
	St John	Semisubmersible	10.00	5000	NATL 1625M	25,000	11	11	Bateman Lake	Drilling
CRC Mallard Well	Barge 3	Barge			NATL 55	9,000				Drilling
	Barge 9	Barge			WILSON Model 90	11,000				Drilling-Exxon
Diamond M	Barge 16	Barge	13.63	5000	IDECO E2500	25,000	12			Stacked
	Barge 5	Barge	10.00	5000	BRWSTR N12A	18,000	10			Stacked
	98	Platform	13.63	5000	EMSCO A1500E	20,000				Stacked
Phoenix Management	#3-The Mr Ray	Posted Barge	10.63	10000	GAR-DEN 2100E	30,000	8.5		S/L 8396 #1-Atchafalaya Bay	Drilling For Home Petroleum
Two R Drlg	Two R-16	Barge			EMSCO C3	25,000	12			Stacked
	17	Barge			EMSCO Model CEC3	25,000	22	10	Point Chevreuil	Drilling
LOUISIANA-TERREBONNE										
Bay Drlg	Matagorda Bay	Semisubmersible	10.00	5000	EMSCO BL3661	25,000	14		Lake Barge	Stacked
	Mr Harvy	Semisubmersible	10.00	5000	NATL 1625M	25,000	12		Callon Island	Stacked
Diamond M	Barge 14	Barge	10.00	5000	EMSCO J1400	20,000	12	15	Bayou Sauveur	Drilling
Loffland Bros	Barge 153	Barge	10.00	5000	BETH 1013	15,000				Working
Quarles Drlg	17	Barge	11.00	10000	NATL 160E	25,000	20	9	Mahler #1-East Bayou Dularge	Drilling
	21	Barge	13.63	10000	OILWELL 940E	20,000	30	11	Ship Shoal Blk 15 OCS-G 3411-4	

UNITED STATES (Cont'd)

Contractor	Rig name or no.	Type	BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
LOUISIANA-TERREBONNE (Cont'd)										
Resource Drlg	W M Keck Sr	Barge	13.63	5000	NATL 160	20,000		8		Drilling
Shank Drlg Dean	4	Barge			EMSCO C3	30,000	12	10		Drilling
Two R Drlg	Two R-10	Barge			NATL 1320M	20,000	10			Stacked
	Two R-12	Barge			NATL 1625UE	25,000	12	8	Four Isle Dome	Drilling
	Two R-15	Barge			EMSCO C3	25,000	10			Stacked
	Two R-2	Barge			EMSCO B3661	25,000	10			Stacked
	Two-18	Barge			EMSCO C3	25,000	12	8	Four Isle Dome	Drilling
	2R21	Barge			EMSCO C3	25,000	12		Wander Lake Area	Drilling
Wheless Drlg	Barge 14	Barge	12.00	5000	EMSCO J1400	18,000	12	8		
	Barge 5	Barge	12.00	5000	EMSCO J1400	20,000	18	12		
	Barge 8	Barge	12.00	5000	NATL 130	20,000	12			Drilling
	Barge 9	Barge	12.00	5000	IDECO 2500	25,000	12	8		
	11	Barge	12.00	5000	OILWELL M3000	30,000	18	12		
LOUISIANA-TIMBALIER										
Zapata Offshore	Saratoga (27)	Semisubmersible			OILWELL E3000			284		Drilling
LOUISIANA-TIMBALIER BAY										
Livingston Oilwell Serv	20 Workover	Barge	2.50	5000	WILSON Super 38		10		Timbalier Bay	Working
LOUISIANA-VERMILION										
Booker Drlg	110	Platform	10.00	5000	GAR-DEN 500				Blk 245	W/O
CRC Mallard Well	Barge 7	Barge			NATL 55	11,000				Drilling-Amoco
Diamond M	41	Barge-Posted	10.00	5000	OILWELL 2000	25,000	18	15	Blk E-4	Drilling
	42	Barge-Posted	10.00	5000	OILWELL 2000	25,000	18	15	Blk 10	Drilling
Dixilyn-Field Drlg	DF-86	Jackup	13.63	10000	NATL 1320UE	20,000	200		Blk 104	Drilling
Fluor Drlg Serv	Rig 63	Platform	13.63	10000	NATL 1320UE	20,000			Blk 221	Drilling
Global Marine Drlg	Glomar High Island I	Jackup	13.63	10000	NATL 1320UE	20,000	250	250	Blk 61	Drilling
Griffin-Alexander Drlg	G-A VI	Jackup	13.63	10000	UNIT EB1220	25,000	200		Blk 35-#5	Drilling-Union Oil
	G-A VII	Jackup	13.63	10000	UNIT EB1220	25,000	250		Blk 292-#1	Drilling-Shell
Huthnance Drlg	Vanguard I	Jackup	13.63	10000	M-CSCO U1220EB	25,000	300		Blk 260	Developmental Drlg
Keyes Offshore	Keyes - 250	Jackup	13.63	10000	EMSCO CII	20,000	250	160	Blk 264	Drilling
Marine Drlg	J Storm IX	Jackup	13.63	10000	NATL 1320	20,000	195	62	Blk 253	Drilling-Committed
Marlin Drlg	Marlin No 1 Tender Type	Platform	13.63	5000	NATL 1320DE	20,000		185	Blk 122 A-6	Drilling
Merit Drlg	5	Posted Barge	13.63	10000	OILWELL E2000	25,000	20	12	Blk 16	Working
Nicklos Drlg	82	Self-Cont Platform			OILWELL E2000	20,000		12	Blk 381	Drilling
Noble Drlg	Ed Holt	Jackup			OILWELL E3000	25,000			Blk 213	Working
	PB-3	Posted Barge			NATL 1625DE	25,000			Blk 31	Working
Ocean Drlg & Expl	Ocean Star	Jackup	13.63	5000	NATL 1320UE	25,000	175	175	Blk 75	Drilling
Penrod Drlg	54	Jackup	13.63	10000	NATL 1625DE	30,000	300	83	Blk 72	Drilling
Quarles Drlg	22	Barge	11.00	10000	OILWELL E3000	30,000	23	10	Blk 31 OCS-G 2868 #5	Drilling
Savage Drlg	Ponca	Jackup	13.00	10000	NATL 1320UE	25,000	150		85 Blk 153	Working
Shank Drlg Dean	DS-3	Barge	10.00	5000	BETH B-3661	25,000	12	10		
Teledyne Movible Offshore	16	Jackup	13.63	10000	EMSCO C3	25,000	250	250	Blk 303	Drilling
	18	Jackup	13.63	10000	M-CSCO U1220EB	25,000	250	250	Blk 201	Drilling
	19	Jackup	13.63	10000	EMSCO 1C3	25,000	250	250	Blk 34	Drilling
	3	Submersible	13.63	10000	EMSCO EDES	20,000	45		Blk 35	Stacked
Transworld Drlg	59	Jackup	13.63	5000	NATL 1320UE	20,000	125	62	Blk 131	Drilling
	72	Submersible	13.63	10000	OILWELL E3000	25,000	100	17	Blk 91	Drilling
Two R Drlg	Two R-1	Barge			BETH B3661	25,000	10	8	Intracoastal City	Drilling
LOUISIANA-WEEKS ISLAND										
Glendel Offshore Inc	Mr "A W"	Barge	13.63	10000	BRWSTR NE12	25,000	12			Drilling-Stone Oil
LOUISIANA-WEST CAMERON										
Bokenkamp Drlg	Rig #3	Platform	13.63	10000	OILWELL E2000	25,000			Blk 536	Rigging Up
Cactus Intl	101	Platform	13.63	5000	EMSCO Electrohoist II	25,000		394	Blk 648	Operating-Sun
	104	Platform	13.63	5000	EMSCO Electro Hoist II	25,000		80	Blk 253	Operating-Pennzoil
Chiles Drlg	Gulf Wind	Jackup	13.63	10000	NATL 1320UE	18,000	150	30	Blk 102	Exploration
	Platform II	Platform	13.63	10000	NATL 1320UE	20,000		240	Blk 170	Drilling
Diamond M	Century	Semisubmersible	18.75	10000	OILWELL E3000	30,000	600	170	Blk 510	Drilling
Dixilyn-Field Drlg	D-F 61	Platform	13.63	5000	NATL 1320UE	20,000	20000		Blk 215	Drilling
Helmerich & Payne Intl Drlg	100	Platform	13.63	10000	OILWELL E3000	30,000			Blk 211-C Platform	
Houston Offshore Intl	Sabine IV	Jackup	13.63	10000	NATL 1320UE	20,000	200		Blk 447 #2	Drilling-CNG Producing Co
Huthnance Drlg	Acadian Spirit	Jackup	13.63	10000	EMSCO C2	25,000	112	25	Blk 27	Exploratory Drlg-Chevron
	Charger I	Jackup	21.25	2000	M-CSCO U1220EB	25,000	150		Blk 101	Exploratory Drlg-Superior
Keyes Offshore	Keyes - 302	Jackup	13.63	10000	EMSCO CII	20,000	300	38	Blk 91	Drilling
Marine Drlg	J Storm VII	Jackup	13.63	10000	NATL 1625M	25,000	377	200	Blk 211	Drilling-Committed
	J Storm XVII	Jackup	13.63	10000	NATL 1320M	20,000	250		Blk 63	Drilling-Committed
Nicklos Drlg	27	Platform			NATL 110UE	16,000		250	Blk 597	Drilling
Ocean Drlg & Expl	Ocean Leader	Jackup	13.63	5000	NATL 130	25,000	175	175	Blk 149	Drilling
	Odeco Seven	Submersible	13.63	5000	IDECO E2500	25,000	35	35	Blk 48	Drilling
Penrod Drlg	60	Jackup	13.63	10000	EMSCO C3	30,000	330	214		Drilling
Pool Offshore	15	Platform			NATL T45	6,000			Blk 616 90M	Working-Exxon
	52	Jackup	10.00	5000	OIME 750	10,000	80		Blk 65 90M	Working-Shell
Reading & Bates	Randolph Yost	Jackup	13.63	10000	OILWELL E3000	20,000	300		Blk 66	Contracted To Conoco
Rowan Co	Rowan Midland	Semisubmersible	13.63	10000	NATL 1625	25,000	600		Blk 618	Drilling
Salen Protexa Drlg	Salenergy I	Jackup	13.63	10000	M-CSCO U1220EB	20,000	250	168	Blk 370	Drilling
Temple Drlg	Comanche	Jackup	13.63	10000	OILWELL E2000	25,000	150	80	Blk 204	Drilling
Transworld Drlg	64	Jackup	13.63	10000	OILWELL E3000	25,000	300	42	Blk 107	Drilling
	70	Submersible	13.63	10000	OILWELL E3000	25,000	100	39	Blk 132	Drilling
LOUISIANA-WEST DELTA										
Bokenkamp Drlg	Rig #4	Platform	13.63	10000	OILWELL E2000	25,000			Blk 109	Drilling
Booker Drlg	Rig No 170	Platform	10.00	5000	GAR-DEN 500				Blk 79	W/O
	10	Platform	10.00	5000	GAR-DEN 3000				Blk 73	W/O
	140	Platform	6.00	5000	GAR-DEN 500				Blk 95	W/O
	6	Platform	2.50	5000	GAR-DEN 3000				Blk 73	W/O
Dixilyn-Field Drlg	80	Jackup	13.63	10000	NATL 1320DE	20,000	370		Blk 79	Drilling
Dolphin Titan Intl	128	Platform	13.63	10000	EMSCO C3 Type 11	25,000			Blk 86A	Drilling
Dual Offshore	16	Platform	13.58	5000	NATL 1320UE	25,000			Blk 117-B	Operating
Houtech Well Serv	Houtech JU-II	Jackup	11.25	10000	GAR-DEN 700M	10,000	73	30	Blk 27	Moving To Location
Keyes Offshore	Keyes - 150	Jackup	13.63	10000	EMSCO C1	16,000	150	43	Blk 30	Drilling
Livingston Oilwell Serv	4 Workover	Platform	2.50	5000	WILSON Super				Blk 30	Working
	8 Workover	Platform	2.50	5000	WILSON Super 38				Blk 30	Working
Noble Drlg	30	Platform	13.63	10000	GAR-DEN 1500E	20,000			Blk 117	Working
Ocean Drlg & Expl	Ocean Viking	Semisubmersible	13.63	10000	EMSCO A1500	25,000	600	600	Blk 143	Drilling
Pool Offshore	455		13.63	5000	OIME 1500	16,000			Blk 30-E	Working-Shell
Transworld Drlg	62	Jackup	13.63	10000	EMSCO C3 Type II	25,000	300	98	Blk 67	Drilling

Contractor	Rig name or no.	Type	BOP Stack Size (ID)	BOP Stack Pressure rating	Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth Rated	Water Depth Current	Location	Status
UNITED STATES (Cont'd)										
LOUISIANA-WHITE LAKE										
Livingston Oilwell Serv	24	Barge	11.00	5000	WILSON Super Giant	12,000	12			Working
MARYLAND-SPARROWS POINT										
Phoenix Management	Rig #5-The Mr Ric	Jackup	13.63	10000	GAR-DEN 2100E	20,000	100			Being Outfitted In Shipyard
MISSISSIPPI-PASCAGOULA										
Global Marine Drlg	Glomar Main Pass IV	Jackup	13.63	10000	NATL 1625DE	25,000	300			Under Construction
Keyes Offshore	Keyes 303	Jackup	13.63	10000	EMSCO CIII	25,000	300			Under Construction
Ocean Drlg & Expl	St Louis	Submersible	13.63	5000	EMSCO EDES	25,000	30	30		Repairs
RHODE ISLAND-GEORGES BANK										
Western Oceanic	Alaskan Star	Semisubmersible	16.75	10000	EMSCO Model C3 Type	25,000	1500		Blk 187	Drilling
TEXAS-UNDESIGNATED										
Cliffs Drlg	Cliffs LaSalle	Jackup	13.63	10000	NATL 1320UE	25,000	17/135			Drilling
	Jack-up #2	Jackup	13.63	10000	NATL 1320UE	25,000	17/155			Drilling
CRC Mallard Well	Barge 5	Barge			NATL 80B	11,000				Stacked
Global Marine Drlg	Glomar Tender I	Tender	13.63	5000	NATL 1625DE	20,000				In Port For Painting/Cleaning
	Glomar Tender II	Tender	16.75	5000	NATL 1625DE	20,000				In Port For Painting/Cleaning
Griffin-Alexander Drlg	G-A II	Jackup	13.63	10000	UNIT EB1200	25,000	200			Stacked
Penrod Drlg	55	Jackup	13.63	10000	NATL 1625DE	30,000	150			Stacked
	66 Mobile	Jackup	13.63	10000	NATL 1625DE	30,000	210			Stacked
Phoenix Management	#4	Hover Barge	10.63	10000	GAR-DEN 2100E	25,000	10			In Design Stage
Rio Grande Drlg	1	Barge	13.63	5000	NATL 110M	18,000	14		S/T #65	
Sedco Dubai	Sedco 601	Semisubmersible	18.75	10000	EMSCO C2	20,000	1500			En Route
Zapata Offshore	Rig 8	Platform	13.63	5000	EMSCO A1100E	15,000		172	Blk 6	Drilling
	29	Platform	13.63	10000	OILWELL E2000	20,000		164	GOM	Drilling
TEXAS-ARANSAS										
Matagorda Marine Drlg	5	Barge	10.00	3000	NATL T45	9,500	16		Cove Harbor Dock	Stacked
	7	Barge	6.00	5000	NATL T20	6,000	10		Cove Harbor Dock	Stacked
TEXAS-BRAZORIA										
Temple Drlg	Tejas	Barge	13.63	10000	IDECO E3000	30,000	18	11		Completing
TEXAS-BRAZOS										
Chiles Drlg	Gulfstream	Jackup	13.63	10000	NATL 110UE	16,000	150	124	Blk 578	Drilling
Fluor Drlg Serv	Rig 62	Platform	13.63	10000	NATL 1320UE	20,000			Blk A-19	Drilling-Available 1/83
Marine Drlg	J Storm III	Jackup	13.63	10000	NATL 1625M	25,000	250	26	Blk A-133	Drilling-Committed
	J Storm X	Jackup	13.63	10000	NATL 1320	20,000	250	54	Blk 527-A #5	Drilling-Committed
	J Storm XVI	Jackup	13.63	10000	NATL 1320	20,000	250		Blk A-39	Drilling-Committed
Noble Drlg	29	Platform	13.63	10000	OILWELL E2000	20,000			Blk A-40	Working
Penrod Drlg	61	Jackup	13.63	10000	EMSCO C3	30,000	340	182	Blk A-3	Drilling
Salen Protexa Drlg	Nahuatl	Jackup	13.63	10000	M-CSCO U1220BE	20,000	250		Blk 442	Drilling
TEXAS-BROWNSVILLE										
Chiles Drlg	Seabee	Jackup	13.63	10000	NATL 1625DE	25,000	250			Under Construction
Global Marine Drlg	Glomar Adriatic V	Jackup	13.63	10000	NATL 1625DE	25,000	300	300		Under Construction
	Glomar Adriatic VI	Jackup	13.63	10000	NATL 1625DE	25,000	300	300		Under Construction
	Glomar Adriatic VII	Jackup	13.63	10000	NATL 1625DE	25,000	300	300		Under Construction
TEXAS-BUFFALO										
Quarles Drlg	19	Barge	11.00	5000	OILWELL 96	15,000				Stacked
TEXAS-CHAMBERS										
Diamond M	Barge 29	Barge	10.00	5000	OILWELL 96	20,000	10			Stacked
TEXAS-CORPUS CHRISTI CHANNEL										
Pool Offshore	Rig 54	Jackup	13.62	5000	IDECO E900	10,000	14-90			Stacked
TEXAS-EAST BREAKS										
Marlin Drlg	Marlin 15	Platform	13.63	1000	NATL 1320DE	20,000			Blk 160 A	Drilling
	Marlin 16	Platform	13.63	1000	NATL 1320DE	20,000			Blk 161 A	Drilling
Service Equipment & Engrg	15								Blk 159	Drilling
TEXAS-GALVESTON										
MGF Drlg	31	Barge	10.00	5000	OILWELL 76	12,000	8-10			Stacked
	37	Barge	6.00	5000	GAR-DEN 500	9,000	8-10	8-10		Running
Ocean Drlg & Expl	Gulftide	Jackup	13.63	10000	NATL 1625DE	25,000	250			Stacked
	Ocean Tempest	Drillship	16.75	10000	NATL 1625DE	25,000	600			Stacked
Rowan Intl	Rowan-Houston		13.63	10000	NATL 1325UE	25,000	225	225	Pier 41	Available
Western Oceanic	Western Delta	Jackup	13.63	5000	NATL Type 80UE	15,000	173		Blk 384	Drilling
TEXAS-GALVESTON BAY										
Matagorda Marine Drlg	Barge 9	Barge	13.63	5000	GAR-DEN PZ8		9		S/T 75-2	
TEXAS-HIGH ISLAND										
Cactus Intl	165	Platform	13.63	5000	OILWELL E2000	25,000		185	Blk 472	Operating-Pennzoil
Dixilyn-Field Drlg	85	Jackup	13.63	10000	NATL 1320UE		200		Blk 199	Drilling
Dual Drlg	29	Platform	13.63	10000	EMSCO C3	25,000			Blk 570	Operating
Dual Rig 25 Ltd	25	Platform	13.58	10000	OILWELL E3000	25,000			Blk 466	Operating
Griffin-Alexander Drlg	G-A V	Jackup	13.63	10000	UNIT EB1220	25,000	200		Blk 98-#7	Drilling-Kilroy
Houtech Well Serv	Houtech JU-I	Jackup	11.25	10000	GAR-DEN 700M	10,000	73	40	Blk 10-L	Running
Huthnance Drlg	Charger II	Jackup	13.63	10000	M-CSCO U1220EB	25,000	150		Blk 139	Exploratory Drlg-Superior
Keyes Offshore	Keyes - 200	Jackup	13.63	10000	EMSCO CII	20,000	200	60	Blk A-6	Drilling
Loffland Bros	76	Platform	13.63	5000	M-CSCO U1220BE	22,000			Blk 582	Working
Moran Drlg	Morco II	Jackup	13.63	10000	EMSCO C2	23,000	250	172	Blk 283-A	Drilling
Noble Drlg	27	Platform	13.63	10000	GAR-DEN 1100E	18,000			Blk 376	Working
Ocean Drlg & Expl	Ocean Rover	Semisubmersible	13.65	10000	EMSCO C3 Type 2	25,000	600	600	369-A	Drilling
Penrod Drlg	36	Platform	13.63	10000	NATL 1320UE	30,000	300	172	Blk 571	Drilling
Pool Offshore	458	Platform	13.63	5000	OIME 1500	16,000			Blk 368	Working
	6	Platform	10.00	5000	NATL T45	7000			Blk 342	Working-Exxon
Salen Protexa Drlg	Salenergy III	Platform	13.63	10000	M-CSCO U1220EB	25,000			Blk 389	Drilling
	Salenergy V	Jackup	13.63	10000	M-CSCO U1220BE	20,000	250		Blk 24	Drilling
	Zapoteca	Jackup	13.63	10000	M-CSCO U1220BE	20,000	250		Blk 461	Drilling
Teledyne Movible Offshore	17	Jackup	13.63	10000	EMSCO 1C3	25,000	250		Blk 58-L	Stacked
	4	Platform	13.63	5000	NATL 110UE	16,000			Blk 596-A	Drilling
Transworld Drlg	69	Submersible	13.63	10000	OILWELL E3000	25,000	100	55	Blk A-171	Drilling
Western Oceanic	Western Triton II	Jackup	13.63	10000	NATL 1320	20,000	250		Blk 775	Drilling

Contractor	Rig name or no.	Type	BOP Stack		Drwwks make & model	Rated drlg depth with 4½ in. pipe	Water Depth		Location	Status
			Size (ID)	Pressure rating			Rated	Current		
UNITED STATES (Cont'd)										
TEXAS-HOUSTON										
Dixilyn-Field Drlg	76	Submersible	13.63	5000	BRWSTR N12A	20,000	80	80		Available
	77	Submersible	13.63	10000	NATL 1625DE	30,000	85			Under Construction-Available
Skinner Marine Operations	Skinmar II	Platform	13.63	5000	OILWELL E2000	20,000	185			Stacked
	Skinmar III	Platform	13.63	5000	OILWELL E2000	20,000	185			Stacked
TEXAS-LAVACA BAY										
Matagorda Marine Drlg	Barge 1	Barge	10.00	5000	WLSN M90		9		S/T 26-4	
	Barge 2	Barge	10.00	3000	EMSCO D2	9,500	9		S/T 23A-1	Drilling
TEXAS-MATAGORDA										
Cactus Intl	162	Platform	13.63	5000	EMSCO A1500	25,000		125	Blk 703	Operating-Arco
Griffin-Alexander Drlg	G-A III	Jackup	13.63	10000	UNIT EB1200	25,000	250		Blk 654-#1	Drilling-Cities Service
Marine Drlg	J Storm VIII	Jackup	13.63	10000	NATL 1320	20,000	150	121	Blk 624	Drilling-Committed
	Stormdrill V	Jackup	13.63	10000	NATL 130	20,000	115	43	S/T 596-L	Drilling-Committed
Zapata Offshore	Endeavour	Jackup	13.63	10000	EMSCO CE3000E	20,000	215	55		Drilling
	Rig 30	Self-Cont Platform			M-CSCO U1220EB			92	Blk 200	Drilling
TEXAS-MATAGORDA BAY										
Matagorda Marine Drlg	Barge 4	Barge	10.00	3000	NATL 610	12,000	8		S/T 69-1	Drilling
	3	Barge	10.00	3000	BRWSTR N45	8,000	9		S/T 308-3	Drilling
TEXAS-MATAGORDA ISLAND										
Global Marine Drlg	Glomar High Island III	Jackup	13.63	10000	NATL 1320UE	20,000	250	250	Blk 668	Drilling
Houston Offshore Intl	Nueces I	Jackup	13.63	10000	NATL 1320UE	16,000	115		Blk 724	Available
Keydril	Key Manhattan	Jackup	13.63	10000	NATL 1625	25,000	300			Drilling
Keyes Offshore	Keyes - 300	Jackup	13.63	10000	EMSCO CII	20,000	300	60	Blk 652	Drilling
Marlin Drlg	Marlin 4	Jackup	13.63	10000	NATL 1625DE	25,000	150		Blk 697	Drilling
Ocean Drlg & Expl	Ocean King	Jackup	13.63	10000	NATL 1625	25,000	300	300	Blk 634	Drilling
Service Equipment & Engrg	14								Blk 701-A	Drilling
	21	Platform	13.63	1000	IDECO 2100	2500			Blk 623	Drilling
	3	Platform	10.00		CABOT/FRANKS 1287				Blk 632-A	Workover
TEXAS-MUSTANG ISLAND										
Atwood Oceanics	Vicksburg	Jackup	13.63	10000	EMSCO C2	20,000	300	204	OCSG 4 Blk A-60	Drilling
Broughton Drlg	Broughton I	Jackup	13.63	10000	OILWELL E3000	30,000	105	72	Blk 724	Available
	Broughton II	Jackup	13.63	10000	OILWELL E3000	30,000	105	75	Blk 897-S	Term Contract
Chiles Drlg	Yucatan	Jackup	13.63	10000	NATL 1625DE	30,000	300		Blk 117-A	Drilling
JFP Well Serv	JFP Five	Jackup	13.63	10.00	OILWELL E2000	25,000	300		Blk 797	Working On Location
Marine Drlg	J Storm I	Jackup	13.63	10000	NATL 130	20,000	225	125	Blk 879-L	Drilling-Committed
	J Storm IV	Jackup	13.63	10000	NATL 1625M	25,000	250	57	Blk 831	Waiting On Location
Nicklos Drlg	81	Self-Cont Platform			NATL 1320UE	20,000			Blk A-11	Drilling
Ocean Drlg & Expl	Ocean Scout	Semisubmersible	13.63	10000	EMSCO C3 Type 2	25,000	600	600	Blk 121-A	Drilling
Penrod Drlg	68	Jackup	13.63	10000	NATL 1625DE	30,000	330	57	Blk A-152	Drilling
Pool Offshore	454	Platform	13.63	10000	OIME 1500	16,000			Platform B	Working-Exxon
TEXAS-NUECES										
Dixilyn-Field Drlg	Barge 51	Barge	10.00	5000	NATL 110		10		S/T 470	Drilling
	50	Barge	10.00	5000	NATL 130	25,000	8		State Tract H#1	Drilling
TEXAS-PORT ARTHUR										
Marlin Drlg	Marlin 3	Jackup	13.63	10000	NATL 1625DE	25,000	250			Shipyard For Repairs
TEXAS-SABINE LAKE										
Whalen Drlg	2	Barge	13.63	10000	NATL 1625DE	30,000	20	8		Drilling
TEXAS-SABINE PASS										
Booker Drlg	15	Platform	10.00	5000	GAR-DEN 3000				Blk 18	W/O
Houston Offshore Intl	Sabine II	Jackup	13.63	10000	NATL 1320UE	20,000	200			Available
	Sabine III	Jackup	13.63	10000	NATL 1320UE	20,000	200			Available
Marine Drlg	J Storm XVIII	Jackup	13.63	10000	NATL 1320M	20,000	250			Committed-Rigging Up
Marlin Drlg	Marlin #9	Platform	11.00	10000	NATL 610E	10,000			Blk 13 C	Drilling
	Marlin No 6	Jackup	13.63	10000	NATL 1625DE	30,000	300			Stacked
Phoenix Management	Big Foot Two	Jackup	10.63	10000	GAR-DEN 2100E	25,000	85		Blk 255	Stacked
Teledyne Movible Offshore	Rig 20	Jackup	13.63	10000	EMSCO C3	25,000	250			Stacked
TEXAS-SOUTH PADRE ISLAND										
Marine Drlg	J Storm VI	Jackup	13.63	10000	NATL 1625M	25,000	250	91	Blk 1126-L	Drilling-Committed
TEXAS-SOUTH PASS										
Helmerich & Payne Intl Drlg	90	Platform	13.63	5000	OILWELL E2000	20,000		185	Blk 60-D	
	91	Platform	13.63	5000	OILWELL 2000	20,000		205	Blk 60-E	
TEXAS-TRINITY BAY										
Matagorda Marine Drlg	6	Barge	10.00	3000	EMSCO GC500	12,000	10		S/T 74-1	Workover Operation
VIRGINIA-UNDESIGNATED										
Associated Marine Serv	Heron	Drillship			HOWARD-TURNER	1,500	700	600		Drilling
WASHINGTON-KING										
Associated Marine Serv	La Ciencia	Drillship			HOWARD-TURNER	1,500	600	600		Drilling
WEST INDIES										
TRINIDAD										
Dolphin Titan Intl	130	Platform	13.63	10000	GAR-DEN 2100E	25,000				Undergoing Modifications
Pool Santana	Rig #418-Offshore	Platform	10.00	5000	OIME	6,000			Off Galeota Point	Working
Rowan Co	Rowan Fort Worth	Jackup	13.63	10000	NATL 1625	25,000	300		Well #532	Drilling
Santa Fe Drlg	Bluewater No 3	Semisubmersible	16.75	10000	NATL 1625DE	25,000	600			Idle
Skinner Marine Operations	Skinmar VII	Platform	13.63	5000	OILWELL 840E	16,000		100	Platform 24-Trinmar	Rigging Up
	Skinmar 1	Platform	13.63	10000	OILWELL E2000	20,000	185		Amoco Platform Teak D	Drilling
	Skinmar 4	Platform	13.63	5000	OILWELL 840E	16,000				Stacked
	Skinmar 5	Platform	13.63	5000	OILWELL 760	12,000	88		Platform 23-Trinmar	Drilling
	Skinmar 6	Platform							East Coast	En Route
Well Services	10				NATL C125	14,000			Woodbour	Drilling
	6	Platform	13.63	6000	NATL 80B	12,000		80	Soldado	Drilling
	7	Platform	13.63	6000	BRWSTR 4210	8,000	85	80	Galeota	Drilling

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ANNUAL DEEP WELL REPORT

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Solving Tuscaloosa Corrosion Problems, p. 50

Electricity On The Rig, p. 80

Drilling Utah's Deepest Wildcat, p. 96

International Land Rig Locator, p. R-1

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MARCH 1983 NUMBER 3 VOLUME 55

ABOUT THE COVER: Penrod Drilling Co.'s Rig 121 drills Hunt Energy Corp.'s Cerf Ranch No. 1-9 well in Pecos County, Texas, to a state-record total depth of 29,670 ft. (Photo by Randy Morton, Grant Corp.)

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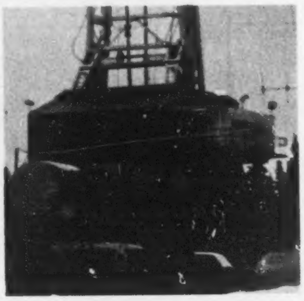

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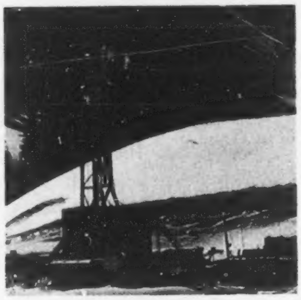

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21 U.S. Drillers Complete 1,205 Deep Wells In 1982

by Rich McNally, Associate Editor, and Mary Jane Ellis, Assistant Editor. The number of wells drilled to 15,000 ft or deeper topped by 139 the former record of 1,066 deep wells set in 1981. That is a 13% increase.

37 Deep Well Map

State-by-state data on last year's 1,205 deep U.S. wells, including historical trends in average depths, costs, bits, and expenditures for drilling fluids, plus a complete listing of the country's 242 deep well operators.

43 132 Ultradeep Wells Cost $1.5 Billion

At an average cost per well of $11 million, last year's ultradeep wells cost $564.74/ft to drill and complete. Their 37.8% success ratio, however, reflected a substantial drop from 1981's success ratio of 60.2%.

50 13Cr Tubulars Solve Tuscaloosa Trend Corrosion Problems

by J. D. Combes, J. G. Kerr, and L. J. Klein, Chevron U.S.A. Inc. Chevron has made substantial progress in fighting the Tuscaloosa's tough, corrosive environment, and now the company appears to be winning the battle.

72 LL&E Tackles Deep Tuscaloosa With Water-Base Muds

by John W. Wilson, Gulf Coast Editor. Wells drilled to an average depth of 21,000 ft in the False River field experience bottomhole temperatures approaching 400 F. And they require mud weights up to 18 lb/gal.

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NEXT ISSUE: The Offshore Technology Report in the March 15 issue will cover innovations used to cut costs and improve efficiency.

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DEEP WELL REPORT

80 **Electricity On The Rig, Part 1**
by Will L. McNair, Electric Drilling Systems Inc. Because electricity is invisible, it cannot be dealt with and handled the way mechanical forms of energy are handled on drilling rigs.

96 **Texaco Drills Deepest Utah Wildcat**
by Steven D. Moore, Drilling Editor. The most demanding challenge the company faced in drilling the Thousand Peaks Ranch well to 21,874 ft was tailoring the drilling and casing programs to the area's complex geology.

R-1 **International Land Rig Locator**
Mechanical specifications, ratings, locations, and status are listed for each of the 5,000 contract rotary drilling rigs operated by more than 700 independent drilling contractors throughout the Free World.

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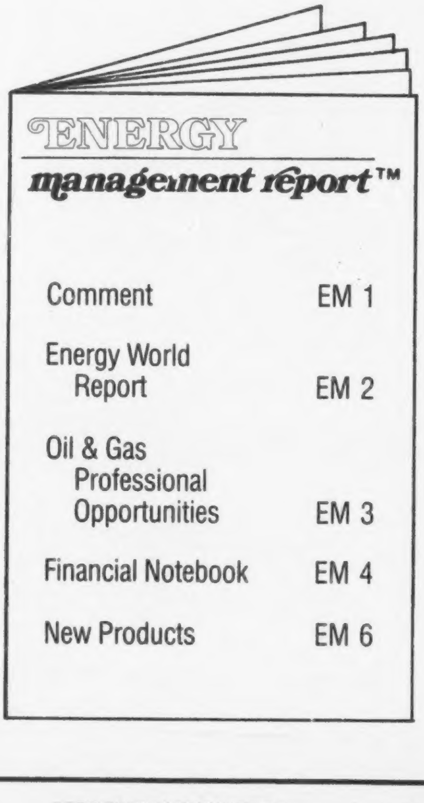

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Early Rig Activity Evidences A Return To Normalcy

U.S. drillers began February this year with the lowest weekly total since Oct. 8, 1979, when the rig count was 2,336. On Feb. 7, 1983, the count had come full circle, and stood at 2,335. In the meantime, on Jan. 4, 1982, the count reached its all-time high of 4,467.

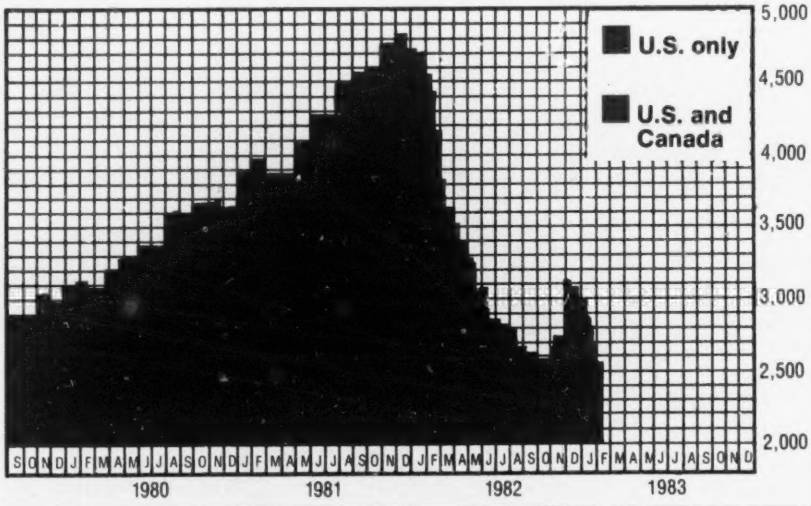
If the count has, indeed, reached full circle the early downturn in 1983 could be a return to traditional patterns in which the rig count falls early in the year – due, at least in part, to wintry weather – and then picks up strength throughout the remainder of the year.

If that turns out to be the case during 1983, and there are those who think that it will, then the year could become quite a respectable one after all – as far as drilling is concerned. Average rig efficiency increased during last year's hard times, and competition among drilling contractors is becoming intense.

Rotary Rigs Actually Making Hole In United States & Canada

As Reported To International Association Of Drilling Contractors By Hughes Tool Co.

	Jan. 17, 1983	Jan. 24, 1983	Jan. 31, 1983	Feb. 7, 1983
Alabama				
Land	14	11	13	18
Inland Waters	5	5	5	4
Alaska				
Land	14	14	13	12
Offshore	2	2	1	1
Total	16	16	14	13
Arkansas	25	31	31	34
Arizona	1	1	0	0
California				
Land	94	82	75	66
Offshore	20	21	24	26
Total	114	103	99	92
Colorado	59	45	47	43
Florida	4	3	2	2
Hawaii	1	1	1	1
Idaho	1	1	1	1
Illinois	49	43	52	46
Indiana	6	8	10	9
Kansas	143	143	142	137
Kentucky	4	3	3	3
North Louisiana	46	48	44	38
South Louisiana				
Inland Waters	60	53	53	55
Land	98	90	90	89
Offshore	136	135	138	137
Total	340	326	325	319
Michigan	38	36	34	35
Mississippi	38	39	36	34
Montana	29	27	25	26
Nebraska	9	11	11	10
Nevada	1	1	1	1
New Mexico	94	81	76	69
New York	19	15	17	14
North Dakota	41	38	43	40
Ohio	67	66	67	44
Oklahoma	368	358	336	311
Pennsylvania	27	32	34	32
South Dakota	1	1	0	0
Tennessee	1	1	1	1
Texas				
Offshore	64	64	59	54
Inland Waters	8	8	7	7
Dist. 1-S. Central Tex.	27	23	22	19
Dist. 2-Middle Tex. Coast	48	43	44	35
Dist. 3-Upper Tex. Coast	121	122	113	104
Dist. 4-Lower Tex. Coast	105	106	98	102
Dist. 5-Northeast Tex.	18	26	26	27
Dist. 6-Far Northeast Tex.	88	91	98	95
Dist. 7B-North Central Tex.	65	62	55	56
Dist. 7C-West Central Tex.	68	77	66	72
Dist. 8-Far West Tex.	109	102	97	98
Dist. 8A-West Tex.	63	59	51	49
Dist. 9-North Tex.	74	74	74	73
Dist. 10-Tex. Panhandle	53	55	43	43
Total	911	912	853	834
Utah	41	28	42	41
Virginia	2	2	2	3
Washington	0	0	0	1
West Virginia	57	42	43	37
Wyoming	110	108	90	80
Total U.S.	2,636	2,538	2,456	2,335
Canada				
Land	246	241	215	206
Offshore	6	8	8	8
U.S. and Canada	2,888	2,787	2,679	2,549



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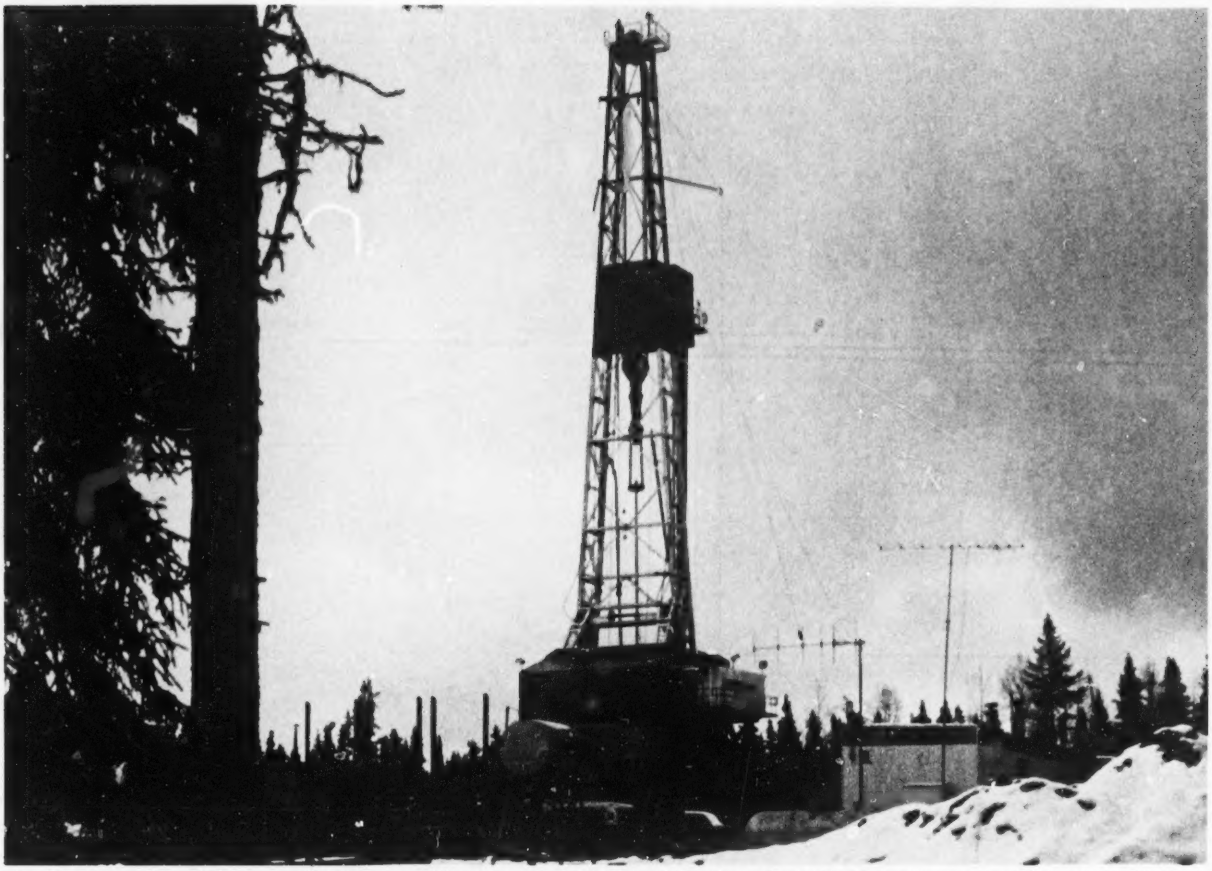


The deepest well in the history of Idaho was drilled last year by Loffland Brothers Co.'s Rig 89 for Exxon Co. USA, whose Meyers Federal No. 1 wildcat touched down at 18,540 ft.

U.S. Drillers Complete 1,205 Deep Wells In 1982

by Rich McNally, *Associate Editor*, and Mary Jane Ellis, *Assistant Editor*

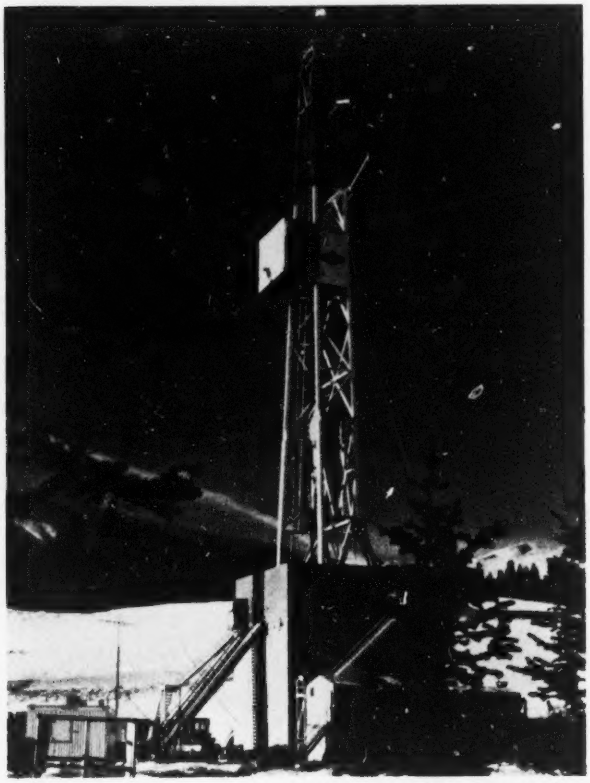
Deep drillers in the U.S. completed a record total of 1,205 wells drilled to 15,000 ft or deeper last year, topping by 139 wells the former record of 1,066 deep wells set in 1981. That is a 13% increase, and it marks the seventh year in a row in which the deep well count increased over the previous year.

Although none of last year's 1,205 deep wells surpassed the nation's depth record of 31,441 ft, set in 1974 in Washita County, Oklahoma, a number of state depth records fell during the year. In Alabama, for example, Mobil Oil Exploration and Producing Co. drilled a 21,859-ft discovery well last year in Mobile Bay, some 27 miles south of Mobile, to break the state's old record by 746 ft. And it topped the record for the deepest producing well in the state by 933 ft.

In Idaho, the Meyers Federal No. 1 well drilled for Exxon Co. USA in Clark County reached total depth at 18,540 ft to beat the previous Idaho depth record by 1,790 ft. Both wells are dry holes, as are all wells drilled so far in Idaho.

Another state record turned up by PETROLEUM ENGINEER INTERNATIONAL's annual Deep Well Report is in Utah, where Texaco USA's No. 1 Thousand Peaks Ranch wildcat in Summit County went to 21,874 ft. The previous record for that state, set in 1980, was 21,845 ft.

In Texas, Hunt Energy Corp.'s No. 1-9 Cerf Ranch in Pecos County not only set a new record for the Lone Star State, but it also is the deepest well of 1982. Drilled to 29,670 ft, the well outdistanced the previous



A new Utah depth record was set last year when one of the highest wildcats in the U.S. was drilled for Texaco USA to a total depth of 21,874 ft at the Thousand Peaks Ranch in Summit County. Drilled by Bawden Drilling's Rig 14, the well was spudded 10,000 ft above sea level.

record holder, Gulf Oil Co.'s No. 2-1 Emma Lou Unit, also in Pecos County, by 48 ft. The Hunt well is dry, however, while Gulf's well has been plugged back to produce gas from an interval between 21,546 and 23,381 ft.

For the purposes of the annual Deep Well Report, completions are defined as wells that reached total depth of 15,000 ft or more during the year, regardless of whether production equipment has been installed. Some of the wells listed as dry, therefore, are still being tested at this writing. As a result, their classifications as dry holes or producers could change when final test results are known.

Sooners Out Front

Oklahoma moved way out ahead of all other states last year with 493 deep completions, almost 200 more than the perennial leader, Louisiana. Texas was in third place with 210 – 16 of them offshore. Some 75 of Louisiana's 297 deep wells last year were offshore wells, and the two states (Louisiana and Texas) accounted for 95% of all offshore deep wells.

Oklahoma's big increase, from 279 in 1981 to 493 last year, is directly traceable to the prolific Anadarko Basin, which some say contains as much as 200 tcf of natural gas. At the beginning of last year, more than 600 rigs (about 20% of the active U.S. rig fleet) were at work in the basin. By year-end, however, a soft gas

Location of 1982 wells 15,000 ft and deeper

	Wells	Average bits/well	Average cost/well	Average mud cost/well
Alabama*	29	25.0	$ 5,633,586	$ 447,862
Alaska	2	61.0	28,100,000	1,506,000
Arkansas	1	53.0	3,600,000	506,000
California	4	53.0	9,160,250	1,010,750
Florida*	8	25.0	6,004,375	421,125
Idaho	2	75.5	14,031,500	811,000
Louisiana*	297	33.5	7,433,508	679,690
Massachusetts	2	38.5	30,000,000	795,000
Mississippi	69	24.5	3,525,058	295,000
Nevada	1	43.0	8,200,000	400,000
New Mexico	28	22.0	3,292,821	268,286
North Dakota	1	19.0	2,656,000	138,000
Oklahoma	493	39.4	6,193,280	505,412
Pennsylvania	1	85.0	21,686,000	1,535,000
Texas*	210	34.8	6,601,671	600,567
Utah	14	87.1	10,241,785	840,286
Wyoming	43	70.5	10,300,302	920,930

*Includes offshore

TABLE 1. U.S. deep drilling
All wells drilled to 15,000 ft or deeper

		1982 (1,205 wells)	1981 (1,066 wells)	1980 (859 wells)
Average well depth		17,354 ft	17,114 ft	17,178 ft
Average cost/well		$6,637 ($382.45/ft)	$5,467 ($313.01/ft)	$4,560 ($265.47/ft)
Average mud cost/well		$569 ($32.79/ft)	$527 ($32.50/ft)	$479 ($27.88/ft)
Average bits/well		37.2 (466 ft/bit)	34.6 (500 ft/bit)	31.6 (544 ft/bit)
Success ratio		49.8%	56.1%	53.8%
Wildcat success ratio		34.1% (536 wells)	46.6% (530 wells)	39.3% (433 wells)
Development success ratio		62.3% (669 wells)	66.5% (536 wells)	68.5% (426 wells)
Total costs:	Mud	$685,589	$561,396	$411,380
	Drilling	$6,659,255	$4,851,856	$3,266,302
	Completion	$1,118,354	$920,532	$539,843
	Total	$7,997,571	$5,828,219	$3,917,118
	Total footage	20,911,440	18,243,075	14,755,480

(Costs in thousand dollars except dollars per foot)

TABLE 2. Alabama land deep drilling
All wells drilled to 15,000 ft or deeper

		1982 (27 wells)	1981 (27 wells)	1980 (26 wells)
Average well depth		16,854 ft	16,903 ft	17,475 ft
Average cost/well		$3,329 ($197.50/ft)	$3,116 ($184.33/ft)	$2,365 ($135.36/ft)
Average mud cost/well		$337 ($20.02/ft)	$262 ($15.52/ft)	$185 ($10.56/ft)
Average bits/well		19.0 (887 ft/bit)	17.2 (981 ft/bit)	18.7 (933 ft/bit)
Success ratio		51.9%	40.7%	30.8%
Wildcat success ratio		11.1% (9 wells)	28.6% (7 wells)	16.7% (12 wells)
Development success ratio		72.2% (18 wells)	45% (20 wells)	42.9% (14 wells)
Total costs:	Mud	$9,109	$7,081	$4,800
	Drilling	$70,907	$71,381	$50,106
	Completion	$18,967	$12,745	$10,533
	Total	$89,874	$84,126	$61,500
	Total footage	455,059	456,394	454,359

(Costs in thousand dollars except dollars per foot)

Wells completed 15,000 ft and below by years of completion

Year	No. wells by date of completion	Exploratory	Total producers	Average bits/well	Mud costs average	Well costs average	Average cost/ft	Total footage drilled	Average ft/well	New records: Deepest well	New records: Deepest producer
1938	1	1	1	—	—	—	—	15,004	—	15,004	13,175
1944	1	1	0	—	—	—	—	15,279	—	15,279	—
1945	3	3	0	222	—	—	—	47,245	15,748	16,655	—
1946	1	1	1	—	—	—	—	15,452	—	—	—
1947	8	8	1	181	$ 24,000	$ 570,000	$ 35.87	127,128	15,891	17,823	13,904
1948	7	6	2	303	28,000	551,000	34.34	112,329	16,047	—	14,255
1949	11	8	5	199	64,000	534,000	32.52	180,631	16,421	20,521	15,530
1950	5	2	3	181	63,000	557,000	36.72	78,565	15,713	—	—
1951	12	5	6	116	54,000	527,000	33.56	189,864	15,822	—	—
1952	25	17	9	138	66,000	549,000	34.77	396,850	15,874	—	16,012
1953	25	14	20	159	75,000	729,000	44.79	402,936	16,177	21,482	17,895
1954	56	30	31	117	92,000	651,000	40.87	892,021	15,929	—	—
1955	80	63	43	87	116,000	649,000	40.09	1,276,560	15,957	22,559	—
1956	155	77	78	89	122,000	683,000	42.18	2,510,050	15,988	—	20,745
1957	185	114	89	89	121,000	743,000	46.25	2,987,841	16,064	—	—
1958	197	136	100	79	107,000	692,000	43.18	3,171,762	16,019	—	—
1959	228	142	119	71	83,000	650,000	40.48	3,660,857	16,056	25,340	—
1960	242	134	136	66	86,000	675,000	42.50	3,858,622	15,945	—	—
1961	243	84	153	63	81,000	614,000	38.07	3,918,324	16,124	—	—
1962	254	74	130	63	92,000	654,000	38.00	4,414,300	17,000	—	—
1963	271	96	128	52	97,246	696,000	42.85	4,401,363	16,241	—	21,410
1964	308	141	150	51	95,507	653,256	39.33	5,115,938	16,610	—	21,793
1965	330	117	156	59	90,160	610,784	36.50	5,522,541	16,735	—	22,098
1966	388	130	149	71	84,007	727,996	42.20	6,693,785	17,252	—	22,483
1967	402	142	192	66.8	96,375	762,676	45.29	6,769,371	16,839	—	—
1968	406	150	194	65	100,305	889,991	52.13	6,931,232	17,072	—	22,790
1969	389	116	206	53.6	101,529	866,349	50.91	6,619,216	17,016	—	—
1970	381	168	189	53.7	117,874	999,343	57.87	6,579,870	17,270	25,600	—
1971	417	149	210	60.3	146,049	949,959	54.81	7,227,444	17,332	—	—
1972	506	230	290	43.6	103,507	919,484	54.21	8,583,278	16,963	30,050	22,548
1973	506	213	272	37.7	122,067	1,107,059	63.58	8,810,918	17,413	—	—
1974	446	220	258	36.9	168,426	1,456,522	84.08	7,726,058	17,323	31,441*	—
1975	410	191	190	37	197,279	1,901,017	109.80	7,098,330	17,313	—	—
1976	439	186	255	32.8	214,276	2,112,509	121.98	7,603,041	17,319	—	—
1977	476	233	233	30.4	221,490	2,205,954	127.58	8,230,040	17,290	—	26,566**
1978	604	306	288	29.2	253,082	2,577,216	150.60	10,352,560	17,140	—	—
1979	621	248	279	29.7	414,000	3,599,000	208.68	10,709,644	17,246	—	—
1980	859	433	462	31.6	478,906	4,560,090	265.47	14,755,480	17,178	—	—
1981	1,066	530	598	34.6	526,638	5,467,372	313.01	18,243,075	17,114	—	—
1982	**1,205**	**536**	**600**	**37.3**	**$568,954**	**$6,636,988**	**$382.45**	**20,911,440**	**17,354**	**—**	**—**

*This is the all-time record depth hole, completed in Oklahoma's Anadarko Basin in May 1974 by Lone Star Producing Co.

**Chevron USA established the record depth production mark in 1977 with completion of No. 1 Ledbetter in Wheeler County, Texas. Gage was 2,500,000 cfd from the Arbuckle at 23,427-26,518 ft.

market coupled with the high costs of Anadarko drilling had put a definite damper on deep drilling in the region.

Although Oklahoma's deep drilling costs were close to the average for all U.S. deep drilling last year, they registered a steep climb over 1981 when they went from an average of $4.7 million per well to $6.2 million. That is a 31% increase compared with the country's overall increase of 21% in average deep drilling costs.

In all, operators last year spent more than $7 billion to drill the 1,205 deep wells. Total footage drilled came to 20.9 million, which adds up to $382.45/ft.

For that, the operators were rewarded with 600 deep producers, for a success ratio just under 50%. Broken down, 183 of the successful wells were wildcats, which had a 34.1% success ratio, and 417 of them were development wells, for which the success ratio was 62.3%.

Of states with more than one or two deep wells during the year, New Mexico had the best success ratio, with 17 out of 28 wells listed as producers. Oklahoma's success ratio is pretty good, also, with 290 of the state's 493 deep wells finding oil or gas.

In all, 17 states were involved in deep drilling last year, and one, Massachusetts, is a newcomer to the Deep Well Report, thanks to a couple of offshore wells drilled on Georges Bank.

As indicated earlier, Oklahoma was the leading deep-well state in 1982, with Louisiana and Texas finishing second and third. Other states with more than a handful of deep wells are Mississippi, with 69, Wyoming, 43, New Mexico, 28, Alabama, 29, and Utah, with 14. Of these states, Utah and Wyoming are by far the most expensive states in which to drill deep. Overthrust wells in the two states cost more than $10 million apiece, which is close to $600/ft. The Overthrust success ratio (for development wells, at least) is pretty good, however.

Bit Usage Climbs

Bit usage continued to climb in 1982 after having been reduced by half during the 1970s. The average

TABLE 3. Alabama offshore deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (2 wells)	1981 (0 wells)	1980 (0 wells)
Average well depth	21,404 ft	0	0
Average cost/well	$36,750 ($1,716/ft)	0	0
Average mud cost/well	$1,940 ($90.61/ft)	0	0
Average bits/well	106.5 (201 ft/bit)	0	0
Success ratio	100%	0	0
Wildcat success ratio	0% (0 wells)	0	0
Development success ratio	100% (2 wells)	0	0
Total costs: Mud	$3,879		
Drilling	$66,173		
Completion	$7,327		
Total	$73,500		
Total footage	42,808		

(Costs in thousand dollars except dollars per foot)

TABLE 4. Alaska deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (2 wells)	1981 (0 wells)	1980 (5 wells)
Average well depth	15,575 ft	0	16,700 ft
Average cost/well	$28,100 ($1,804/ft)	0	$26,556 ($1,590/ft)
Average mud cost/well	$1,506 ($96.69/ft)	0	$1,003 ($60.08/ft)
Average bits/well	61 (255 ft/bit)	0	89.4 (187 ft/bit)
Success ratio	50%	0	0%
Wildcat success ratio	0% (1 well)	0	0% (5 wells)
Development success ratio	100% (1 well)	0	0% (0 wells)
Total costs: Mud	$3,012		$5,017
Drilling	$53,100		$121,098
Completion	$3,100		$8,412
Total	$56,200		$132,778
Total footage	31,150		63,501

(Costs in thousand dollars except dollars per foot)

number of bits used per deep well in 1971 was 60.3. By 1979, the number had dropped to 29.7. So far in the '80s, however, the average number of bits per deep well has been on the increase. Last year, it reached 37.3 but, thanks to the year's second deepest average well depth in history, footage per bit decreased by only 5.6%. Only 1973's average well depth of 17,413 ft topped the 1982 average of 17,354 ft.

Mud costs have been on a steady rise during the past 10 years, with the average last year reaching $569,000 per deep well. That was an increase of some $40,000 over the 1981 average, but costs per foot remained close – $32.50 in 1981 and $32.79 in 1982.

536 Deep Wildcats

The 536 deep wildcat wells drilled in the U.S. last year had an average total depth of 17,643 ft – almost 300 ft deeper than the average for all deep wells. Average cost per foot for wildcats was $420.64, which was 10% higher than the overall costs. Bit usage for wildcat wells was up also – 40.4 bits/well for wildcats, compared with 37.3 bits/well for both wildcats and development wells.

Louisiana was the most popular state for deep wildcats, with 157 of them completed there last year – 35 of them offshore, in the Gulf of Mexico. Texas drillers completed 11 deep offshore wildcats in the Gulf, and drillers offshore Alabama and Florida put down three. Outside the Gulf of Mexico, the only other deep wildcats were drilled offshore Massachusetts, on Georges Bank. That's frontier territory, as attested to by the average price tag of $30 million per well. Deep wildcats in the Gulf were expensive, also, but not nearly as costly as North Atlantic wells.

The 35 deep wildcats drilled offshore Louisiana cost an average of $10 million each – about $600,000 per well higher than overall deep drilling off Louisiana. Offshore Texas, 11 deep wildcats cost $14 million apiece – about $1 million more than all deep wells in that area. The wildcat offshore Florida marked a return to the Destin Dome area that disappointed the industry a few years ago. It still is disappointing, but this time the disappointment was in the $20 million range.

Onshore, Louisiana wildcatters continued their search for the prolific Tuscaloosa Trend, which has seen 400 wells drilled to an average total depth of 19,000 ft since its discovery by Chevron USA in 1975. So far, 20 fields have been discovered on the trend, which extends from southern Mississippi, across south Louisiana, and into south central Texas. Even with all the drilling since 1975, however, the Tuscaloosa can still be called a frontier area. Frank Harrison, an independent geologist from Lafayette, La., and a former president of the American Association of Petroleum Geologists, was quoted in ENERGY NEWS recently as saying that only the shallower deposits of the trend have been tapped so far. He thinks production below 25,000 ft is not only possible but probable.

49 Texas Counties

With the Tuscaloosa Trend extending into south Texas, the Anadarko Basin underlying parts of the Texas Panhandle, and the Permian and Delaware Basins in West Texas, deep drillers in that state could be found almost everywhere last year. And they were, in fact, found in 49 Texas counties, as well as in five offshore sectors. The 194 deep wells they completed on land had an average total depth of 17,580 ft, and the 16 offshore deep wells went to an average of 16,519 ft.

Some 96 out of the 194 deep Texas land wells were successful last year, while only one of the 16 offshore wells was commercial.

Alabama deep drillers have been marvels of consistency for the past 5 years with onshore completion totals since 1977 of 25, 25, 26, 27, and 27. Well costs in 1977 averaged $1.8 million, and that average now is up to $3.3 million. But, they can't say it hasn't been worthwhile. Of the 130 deep wells drilled in Alabama during those years, 55 of them proved to be commercial. Last year was best of all, with 14 successful wells.

Whether Alabama, or any other state, will be able to keep up the good work during the next few years is the

TABLE 5. Arkansas deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (1 well)	1981 (2 wells)	1980 (0 wells)
Average well depth	15,106 ft	15,620 ft	0
Average cost/well	$3,600 ($238.32/ft)	$2,769 ($177.25/ft)	0
Average mud cost/well	$506 ($33.50/ft)	$134 ($8.55/ft)	0
Average bits/well	53 (285 ft/bit)	37.5 (417 ft/bit)	0
Success ratio	100%	0%	0
Wildcat success ratio	100% (1 well)	0% (1 well)	0
Development success ratio	0% (0 wells)	0% (1 well)	0
Total costs: Mud	$506	$267	
Drilling	$3,350	$5,409	
Completion	$250	$128	
Total	$3,600	$5,537	
Total footage	15,106	31,239	

(Costs in thousand dollars except dollars per foot)

TABLE 6. California deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (4 wells)	1981 (5 wells)	1980 (6 wells)
Average well depth	15,725 ft	15,992 ft	16,515 ft
Average cost/well	$9,160 ($582.55/ft)	$3,920 ($245.12/ft)	$3,105 ($188.01/ft)
Average mud cost/well	$1,011 ($64.28/ft)	$367 ($22.95/ft)	$468 ($28.36/ft)
Average bits/well	53 (297 ft/bit)	51.4 (311 ft/bit)	61 (269 ft/bit)
Success ratio	50%	0%	0%
Wildcat success ratio	50% (4 wells)	0% (5 wells)	0% (6 wells)
Development success ratio	0% (0 wells)	0% (0 wells)	0% (0 wells)
Total costs: Mud	$4,043	$1,835	$2,810
Drilling	$27,249	$16,825	$18,285
Completion	$9,391	$2,775	$151
Total	$36,641	$19,600	$18,630
Total footage	62,898	79,960	99,091

(Costs in thousand dollars except dollars per foot)

TABLE 7. Florida land deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (7 wells)	1981 (7 wells)	1980 (4 wells)
Average well depth	15,908 ft	16,160 ft	16,043 ft
Average cost/well	$3,561 ($223.83/ft)	$3,499 ($216.54/ft)	$3,127 ($194.91/ft)
Average mud cost/well	$185 ($11.64/ft)	$199 ($12.29/ft)	$206 ($12.86/ft)
Average bits/well	16.6 (960 ft/bit)	17.1 (943 ft/bit)	15 (1,070 ft/bit)
Success ratio	57.1%	71.4%	100%
Wildcat success ratio	0% (2 wells)	0% (2 wells)	0% (0 wells)
Development success ratio	80% (5 wells)	100% (5 wells)	100% (4 wells)
Total costs: Mud	$1,296	$1,390	$825
Drilling	$23,275	$22,142	$9,671
Completion	$1,650	$2,352	$2,837
Total	$24,925	$24,494	$12,508
Total footage	111,358	113,117	64,173

(Costs in thousand dollars except dollars per foot)

TABLE 8. Florida offshore deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (1 well)	1981 (0 wells)	1980 (0 wells)
Average well depth	21,068 ft	0	0
Average cost/well	$23,110 ($1,096/ft)	0	0
Average mud cost/well	$2,073 ($98.40/ft)	0	0
Average bits/well	84 (251 ft/bit)	0	0
Success ratio	0%	0	0
Wildcat success ratio	0% (1 well)	0	0
Development success ratio	0% (0 wells)	0	0
Total costs: Mud	$2,073		
Drilling	$23,110		
Completion	0		
Total	$23,110		
Total footage	2[illegible],068		

(Costs in thousand dollars except dollars per foot)

TABLE 9. Idaho deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (2 wells)	1981 (1 well)	1980 (0 wells)
Average well depth	17,070 ft	15,109 ft	0
Average cost/well	$14,032 ($822/ft)	$8,863 ($586.60/ft)	0
Average mud cost/well	$811 ($47.51/ft)	$850 ($56.26/ft)	0
Average bits/well	75.5 (226 ft/bit)	109 (139 ft/bit)	0
Success ratio	0%	0%	0
Wildcat success ratio	0% (2 wells)	0% (1 well)	0
Development success ratio	0% (0 wells)	0% (0 wells)	0
Total costs: Mud	$1,622	$850	
Drilling	$27,040	$8,790	
Completion	$1,023	$73	
Total	$28,063	$8,863	
Total footage	34,140	15,109	

(Costs in thousand dollars except dollars per foot)

TABLE 10. Louisiana land deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (221 wells)	1981 (243 wells)	1980 (241 wells)
Average well depth	17,316 ft	17,333 ft	17,378 ft
Average cost/well	$6,760 ($390.37/ft)	$6,011 ($346.82/ft)	$4,931 ($283.78/ft)
Average mud cost/well	$675 ($39/ft)	$663 ($38.22/ft)	$636 ($36.60/ft)
Average bits/well	33.5 (517 ft/bit)	33.6 (516 ft/bit)	33.9 (513 ft/bit)
Success ratio	38.5%	42.4%	43.2%
Wildcat success ratio	25.4% (122 wells)	35.1% (151 wells)	26.5% (132 wells)
Development success ratio	54.5% (99 wells)	54.3% (92 wells)	63.3% (109 wells)
Total costs: Mud	$149,258	$160,998	$153,300
Drilling	$1,309,458	$1,233,607	$977,781
Completion	$184,201	$214,272	$190,877
Total	$1,493,867	$1,460,778	$1,888,491
Total footage	3,826,838	4,211,878	4,188,024

(Costs in thousand dollars except dollars per foot)

(Continued)

TABLE 11. Louisiana offshore deep drilling
All wells drilled to 15,000 ft or deeper

		1982 (76 wells)	1981 (81 wells)	1980 (63 wells)
Average well depth		16,638 ft	16,599 ft	16,342 ft
Average cost/well		$9,393 ($564.58/ft)	$8,466 ($510.03/ft)	$6,444 ($394.30/ft)
Average mud cost/well		$692 ($41.61/ft)	$708 ($42.63/ft)	$591 ($36.14/ft)
Average bits/well		33.5 (497 ft/bit)	36.3 (457 ft/bit)	33.3 (491 ft/bit)
Success ratio		40.8%	46.9%	41.3%
Wildcat success ratio		25.7% (35 wells)	29.4% (34 wells)	32.4% (37 wells)
Development success ratio		53.7% (41 wells)	59.6% (47 wells)	53.8% (26 wells)
Total costs:	Mud	$52,610	$57,313	$37,211
	Drilling	$620,302	$607,596	$363,904
	Completion	$92,910	$73,527	$35,169
	Total	$713,885	$685,729	$405,959
	Total footage	1,264,464	1,344,498	1,029,573

(Costs in thousand dollars except dollars per foot)

TABLE 12. Massachusetts offshore deep drilling
All wells drilled to 15,000 ft or deeper

		1982 (2 wells)	1981 (0 wells)	1980 (0 wells)
Average well depth		17,500 ft	0	0
Average cost/well		$30,000 ($1,714/ft)	0	0
Average mud cost/well		$795 ($45.43/ft)	0	0
Average bits/well		38.5 (455 ft/bit)	0	0
Success ratio		0%	0	0
Wildcat success ratio		0% (2 wells)	0	0
Development success ratio		0% (0 wells)	0	0
Total costs:	Mud	$1,590		
	Drilling	$60,000		
	Completion	0		
	Total	$60,000		
	Total footage	34,999		

(Costs in thousand dollars except dollars per foot)

TABLE 13. Mississippi deep drilling
All wells drilled to 15,000 ft or deeper

		1982 (69 wells)	1981 (127 wells)	1980 (113 wells)
Average well depth		17,256 ft	17,210 ft	17,058 ft
Average cost/well		$3,525 ($204.28/ft)	$3,607 ($209.59/ft)	$2,736 ($160.41/ft)
Average mud cost/well		$295 ($17.10/ft)	$340 ($19.74/ft)	$253 ($14.85/ft)
Average bits/well		24.5 (705 ft/bit)	27.4 (628 ft/bit)	23.6 (724 ft/bit)
Success ratio		42%	44.1%	42.5%
Wildcat success ratio		21.1% (33 wells)	25.5% (55 wells)	20.8% (48 wells)
Development success ratio		61.1% (36 wells)	58.3% (72 wells)	58.5% (65 wells)
Total costs:	Mud	$20,355	$43,154	$28,625
	Drilling	$202,698	$381,023	$242,025
	Completion	$40,531	$75,009	$64,421
	Total	$243,229	$458,100	$309,207
	Total footage	1,190,678	2,185,708	1,927,570

(Costs in thousand dollars except dollars per foot)

TABLE 14. Nevada deep drilling
All wells drilled to 15,000 ft or deeper

		1982 (1 well)	1981 (0 wells)	1980 (1 well)
Average well depth		17,110 ft	0	19,562 ft
Average cost/well		$8,200 ($479.25/ft)	0	$6,584 ($350.37/ft)
Average mud cost/well		$400 ($23.38/ft)	0	$449 ($22.95/ft)
Average bits/well		43 (398 ft/bit)	0	41 (477 ft/bit)
Success ratio		0%	0	0%
Wildcat success ratio		0% (1 well)	0	0% (0 wells)
Development success ratio		0% (0 wells)	0	0% (1 well)
Total costs:	Mud	$400		$449
	Drilling	$8,200		$6,854
	Completion	0		0
	Total	$8,200		$6,854
	Total footage	17,110		19,562

(Costs in thousand dollars except dollars per foot)

subject of some concern in drilling circles these days. And part of the problem stems from the fact that deep drillers have done too good a job since the Natural Gas Policy Act of 1978 removed price controls from gas reserves deeper than 15,000 ft. In 1982, for the fourth straight year, the amount of natural gas available to pipelines exceeded consumption in the U.S. Gas that sold for $10/Mcf at the beginning of the year was being offered by $5/Mcf, or lower, by midyear.

Although much of the gas oversupply situation has been caused by economic conditions that have curbed demand for natural gas, another major factor is federal regulations that discourage gas use by utilities and industries.

So, indications are that 1982's record total of 1,205 deep wells will not be threatened for at least a couple of years. A recent survey of Anadarko Basin operators who were responsible for 95% of the deep wells drilled there in 1982 indicates activity in the basin may be off as much as 90% this year. Two dozen operators, who were responsible for 250 deep Anadarko wells in 1982, say they plan to drill fewer than 20 this year.

Increasing gas surpluses, therefore, together with government taxing policies, are expected to put a crimp in deep drilling for the next year or so. It will take an act of Congress to straighten out the tax mess, but it should take only an act of Nature, in the form of a couple of hard winters, to dry up the surpluses.

Note: PETROLEUM ENGINEER INTERNATIONAL has been analyzing deep drilling annually since 1944. Base data are acquired from various industry sources, including contract drilling companies and Petroleum Information Corp., Denver, Colo. Operating companies confirm the wells and, through a special arrangement, provide us with cost data on a confidential basis. Mary Jane Ellis compiled the data for this report, which was written by Rich McNally.

(Continued)

TABLE 15. New Mexico deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (28 wells)	1981 (19 wells)	1980 (15 wells)
Average well depth	15,739 ft	16,149 ft	16,638 ft
Average cost/well	$3,293 ($209.22/ft)	$3,565 ($220.73/ft)	$2,813 ($169.05/ft)
Average mud cost/well	$268 ($17.05/ft)	$295 ($18.25/ft)	$309 ($18.56/ft)
Average bits/well	22 (715 ft/bit)	23.7 (682 ft/bit)	21.5 (775 ft/bit)
Success ratio	60.7%	73.7%	86.7%
Wildcat success ratio	66.7% (18 wells)	66.7% (15 wells)	90.9% (11 wells)
Development success ratio	50% (10 wells)	100% (4 wells)	75% (4 wells)
Total costs: Mud	$7,512	$5,601	$4,631
Drilling	$78,485	$51,440	$34,630
Completion	$13,432	$15,469	$6,396
Total	$92,199	$67,726	$42,191
Total footage	440,685	306,829	249,572

(Costs in thousand dollars except dollars per foot)

TABLE 16. North Dakota deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (1 well)	1981 (1 well)	1980 (0 wells)
Average well depth	15,000 ft	15,059 ft	0
Average cost/well	$2,656 ($177.07/ft)	$2,214 ($147.02/ft)	0
Average mud cost/well	$138 ($9.20/ft)	$115 ($7.64/ft)	0
Average bits/well	19 (789 ft/bit)	17 (886 ft/bit)	0
Success ratio	100%	0%	0
Wildcat success ratio	100% (1 well)	0% (1 well)	0
Development success ratio	0% (0 wells)	0% (0 wells)	0
Total costs: Mud	$138	$115	
Drilling	$2,040	$1,701	
Completion	$616	$513	
Total	$2,656	$2,214	
Total footage	15,000	15,059	

(Costs in thousand dollars except dollars per foot)

TABLE 17. Oklahoma deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (493 wells)	1981 (279 wells)	1980 (145 wells)
Average well depth	17,603 ft	16,982 ft	17,221 ft
Average cost/well	$6,193 ($351.82/ft)	$4,718 ($277.84/ft)	$4,049 ($235.14/ft)
Average mud cost/well	$505 ($26.71/ft)	$404 ($23.78/ft)	$363 ($21.09/ft)
Average bits/well	39.4 (446 ft/bit)	31.3 (543 ft/bit)	29.5 (584 ft/bit)
Success ratio	56.8%	69.2%	72.4%
Wildcat success ratio	46.9% (145 wells)	64.4% (87 wells)	60.5% (43 wells)
Development success ratio	63.8% (348 wells)	71.4% (192 wells)	77.5% (102 wells)
Total costs: Mud	$249,168	$112,678	$52,662
Drilling	$2,570,424	$1,054,719	$460,533
Completion	$473,200	$246,490	$121,878
Total	$3,053,287	$1,316,360	$587,161
Total footage	8,678,458	4,737,907	2,497,022

(Costs in thousand dollars except dollars per foot)

TABLE 18. Pennsylvania deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (1 well)	1981 (0 wells)	1980 (0 wells)
Average well depth	19,365 ft	0	0
Average cost/well	$21,686 ($1,119/ft)	0	0
Average mud cost/well	$1,535 ($79.27/ft)	0	0
Average bits/well	85 (228 ft/bit)	0	0
Success ratio	100%	0	0
Wildcat success ratio	100% (1 well)	0	0
Development success ratio	0% (0 wells)	0	0
Total costs: Mud	$1,535		
Drilling	$15,518		
Completion	$6,168		
Total	$21,686		
Total footage	19,365		

(Costs in thousand dollars except dollars per foot)

TABLE 19. Texas land deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (194 wells)	1981 (200 wells)	1980 (176 wells)
Average well depth	17,580 ft	17,472 ft	17,382 ft
Average cost/well	$6,073 ($345.43/ft)	$5,068 ($290.07/ft)	$3,876 ($222.98/ft)
Average mud cost/well	$555 ($31.56/ft)	$545 ($31.21/ft)	$448 ($25.75/ft)
Average bits/well	34.2 (514 ft/bit)	29.9 (585 ft/bit)	28.3 (614 ft/bit)
Success ratio	49.5%	62%	64.8%
Wildcat success ratio	35.7% (112 wells)	57.3% (124 wells)	57.3% (103 wells)
Development success ratio	68.3% (82 wells)	69.7% (76 wells)	75.3% (73 wells)
Total costs: Mud	$107,643	$109,064	$78,767
Drilling	$986,282	$818,513	$560,170
Completion	$184,352	$180,466	$108,402
Total	$1,178,075	$1,013,618	$682,172
Total footage	3,410,467	3,494,374	3,059,312

(Costs in thousand dollars except dollars per foot)

TABLE 20. Texas offshore deep drilling
All wells drilled to 15,000 ft or deeper

	1982 (16 wells)	1981 (16 wells)	1980 (10 wells)
Average well depth	16,519 ft	16,844 ft	16,569 ft
Average cost/well	$13,017 ($788.01/ft)	$13,291 ($789.08/ft)	$9,393 ($566.89/ft)
Average mud cost/well	$1,155 ($69.90/ft)	$1,112 ($66/ft)	$982 ($59.26/ft)
Average bits/well	42.8 (386 ft/bit)	52.5 (321 ft/bit)	47.4 (350 ft/bit)
Success ratio	6.3%	12.5%	30%
Wildcat success ratio	9.1% (11 wells)	8.3% (12 wells)	14.3% (7 wells)
Development success ratio	0% (5 wells)	25% (4 wells)	66.7% (3 wells)
Total costs: Mud	$18,476	$17,788	$9,819
Drilling	$198,314	$187,303	$87,737
Completion	$9,956	$24,244	$6,188
Total	$208,276	$212,659	$93,926
Total footage	264,305	269,501	165,686

(Costs in thousand dollars except dollars per foot)

(Continued)

TABLE 21. Utah deep drilling
All wells drilled to 15,000 ft or deeper

		1982 (14 wells)	1981 (10 wells)	1980 (11 wells)
Average well depth		17,079 ft	16,899 ft	17,137 ft
Average cost/well		$10,242 ($599.69/ft)	$6,477 ($383.26/ft)	$5,974 ($348.60/ft)
Average mud cost/well		$840 ($49.20/ft)	$592 ($35.04/ft)	$614 ($35.81/ft)
Average bits/well		87.1 (196 ft/bit)	56.4 (300 ft/bit)	57.1 (300 ft/bit)
Success ratio		21.4%	30%	36.4%
Wildcat success ratio		9.1% (11 wells)	0% (5 wells)	22.2% (9 wells)
Development success ratio		66.7% (3 wells)	60% (5 wells)	100% (2 wells)
Total costs:	Mud	$11,764	$5,922	$6,751
	Drilling	$130,538	$54,159	$60,473
	Completion	$12,846	$10,271	$3,723
	Total	$143,385	$64,768	$65,715
	Total footage	239,100	168,994	188,511

(Costs in thousand dollars except dollars per foot)

TABLE 22. Wyoming deep drilling
All wells drilled to 15,000 ft or deeper

		1982 (43 wells)	1981 (39 wells)	1980 (38 wells)
Average well depth		17,127 ft	16,957 ft	17,013 ft
Average cost/well		$10,300 ($601.42/ft)	$8,120 ($478.83/ft)	$6,183 ($363.42/ft)
Average mud cost/well		$921 ($53.77/ft)	$834 ($49.20/ft)	$604 ($35.52/ft)
Average bits/well		70.5 (243 ft/bit)	66.1 (256 ft/bit)	50.9 (334 ft/bit)
Success ratio		51.2%	71.8%	81.6%
Wildcat success ratio		33.3% (24 wells)	63.6% (22 wells)	75% (16 wells)
Development success ratio		73.7% (19 wells)	82.4% (17 wells)	86.4% (22 wells)
Total costs:	Mud	$39,600	$32,534	$22,962
	Drilling	$382,792	$264,978	$203,563
	Completion	$58,434	$47,483	$29,256
	Total	$442,913	$316,661	$234,954
	Total footage	736,451	661,323	646,502

(Costs in thousand dollars except dollars per foot)

The following 183 contractors (reported by the operating companies) drilled the wells analyzed in PEI's 1982 Deep Well Survey.

A & P Drilling Co. Inc.
Act Drilling Co.
Amoy Drilling & Well Service Corp.
Anderson-Barnett Drilling Co.
Anderson-Myers Drilling Co.
Apollo Drilling Ltd.
Ard Drilling Co.
Arden Drilling Co.
Astro Drilling Co.
Atco Drilling Inc.
Atlantic Pacific Marine Corp.
Pernie Bailey Drilling Co.
Baker & Taylor Drilling Co.
Bay Drilling Corp.
Bayou State Oil Corp.
Bawden Drilling Inc.
James Bigard Drilling Co.
Big Chief Drilling Co.
Blocker Energy Corp.
Bokenkamp Drilling Co. Ltd.
Bomac Drilling
Bonray Energy Corp.
Brinkerhoff-Signal Inc.
Butler Drilling Corp.
Buzzini Drilling Co.
Cactus Drilling Corp.
CEC Drilling Co.
Challenger Drilling Inc.
Chapco Drilling Inc.
Chase Drilling Co.
Chiles Drilling Co.
Circle Bar Drilling Co.
Cliffs Drilling Co.
Comet Drilling
Core Drilling Co.
Continental Drilling Co. Inc.
Continental Oil Co.
Culver Drilling Co.
Decca Drilling Co.
Delex Drilling Co. Inc.
Delta Drilling Co.
Denton Brothers Drilling
Diamond M Drilling Co.
Dixilyn-Field Drilling Co.
Dolphin International Inc.
Drillers Inc.
Dual Drilling Co.
Durkee Drilling Inc.
Eagle Production & Drilling Services Inc.
Eason Oil Co.
Eljay Drilling Corp.
Eltex Drilling Contractors Inc.
Enopco
Exeter Drilling Co.
Explorer Drilling Co.
Falcon Seaboard Drilling Co.
Flag Drilling Co.
Fluor Drilling Services Inc.
Forex-Neptune Inc.
Forwest Inc.
Four Flags Drilling Co. Inc.
F W A Drilling Co. Inc.
Glasscock Drilling
Glendel Drilling
Global Marine Inc.
Goldrus Drilling Marine
Grey Wolf Drilling Co.
Harkins & Co.
Harper-Turner Drilling
Helmerich & Payne Inc.
Henley Drilling Co.
W. B. Hinton Drilling Co. Inc.
Honeymon Drilling Co. Ltd.
Horizon Drilling Co.
Houston Offshore International Inc.
Howell Drilling Inc.
Huthnance Drilling Co.
I.E.C. Drilling Co.
Intrepid Drilling Corp.
Iredco Drilling Co.
JHJ Drilling Co.
Jones Drilling Corp.
Kelly & Kerr Drilling Co.
Kenai Corp.
Keydril Co.
Lanex Inc.
Larco Drilling Co. Inc.
Loffland Brothers Co.
Lord Drilling Co. Inc.
McVay Drilling Co.
Magee-Pool Drilling Co.
Magic Circle Drilling Co.
R. L. Manning Co.
Mardrill Inc.
Marine Drilling Co.
Marion Drlg. & Services Co. Inc.
Marlin Drilling Co. Inc.
Matagorda Drilling Co.
Maverick Drilling Co. Inc.
Mercury Drilling Co.
Merit Drilling Co.
Mesa Drilling Co. Inc.
MGF Drilling Co.
Miller Drilling
Montgomery Drilling Co.
Moran Bros. Inc.
E. W. Moran Drilling Co. Inc.
Murco Drilling Corp.
Navajo Drilling Co.
New & Hughes Drilling Co. Inc.
Nicklos Drilling Co.
Nicor Drilling Co.
Noble Drilling Corp.
Nordrill International Inc.
Nova Drilling Co.
O'Conner & Young Drilling Co.
Odeco Inc.
Oklahoma Warrior Drlg. Corp.
Omnex Energy Services Inc.
Parker Drilling Co.
Parker Well Service Inc.
Partee Drilling Inc.
Pearson American Drlg. Co.
Penrod Drilling Co.
Petro-Tex Drilling Co.
Pomco Drilling Co.
Power Rig Drilling Co. Inc.
Pozos Drilling Ltd.
Price Drilling Co.
Chesley Pruet Drilling Co.
Quarles Drilling Corp.
Rapad Drilling Co.
Ratliff Drilling Co.
Resource Drilling Inc.
Richards Drilling Co.
Rio Grande Drilling Co.
Rine Drilling Co. Inc.
Robinson Brothers Drilling Co.
J. B. Roden Drilling Co.
Rome Companies Inc.
Sage Drilling Co. Inc.
Salen Offshore Drilling Co.
Sandia Drilling Co.
Santa Fe Drilling Co.
Search Drilling Co.
Seneca Drilling Co.
Dean Shank Drilling Co. Inc.
Sharp Drilling Co. Inc.
Shiloh Drilling
A. J. Smart Drilling Co.
Smith & Stovall Drilling Corp.
Southland Drilling Co. Inc.
Southwestern Drilling Co.
Teledyne Movible Offshore Inc.
Temple Drilling Co.
Tesoro Drilling Co.
Tierra Drilling Corp.
Time Drilling Co.
Top Drilling Inc.
Transamerica Drilling Co. Inc.
Transcontinental Drilling Co.
Transworld Drilling Co.
Trend Drilling Co.
TRG Drilling Corp.
Triad Drilling Corp.
Trigg Drilling Co.
Tri-Service Drilling Co.
Two "R" Drilling Co. Inc.
Unit Drilling & Exploration Co.
United Drilling Co.
URC Drilling Co.
Verna Corp.
Viersen & Cochran Drilling Co.
Warton Drilling Co.
Watson Drilling Co.
Welsh Drilling & Service Co.
Westburne Drilling Inc.
Western Drilling Co.
Wheless Drilling Co.
Willbros Drlg. Inc.
Wilson Brothers Drilling Co.
Fred Wilson Drilling Co. Inc.
Zapata Off-Shore Co.

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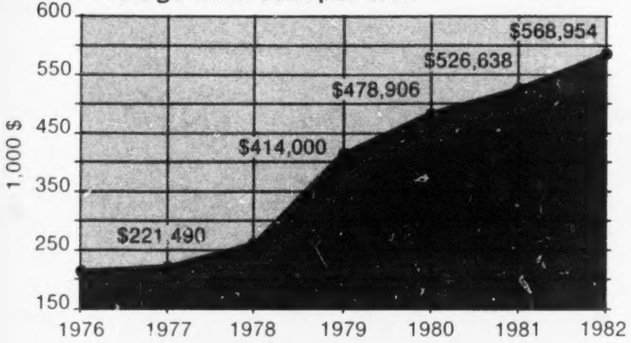
OVERSIZE FOLDOUT(S) FOUND HERE IN THE PRINTED EDITION OF THIS VOLUME ARE FOUND FOLLOWING THE LAST PAGE OF TEXT IN THIS MICROFICHE EDITION.

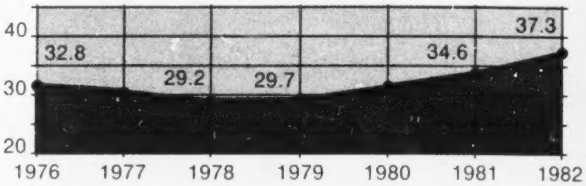
SEE FOLDOUT NUMBER 1

Based on PETROLEUM ENGINEER INTERNATIONAL'S Annual Deep Well Survey

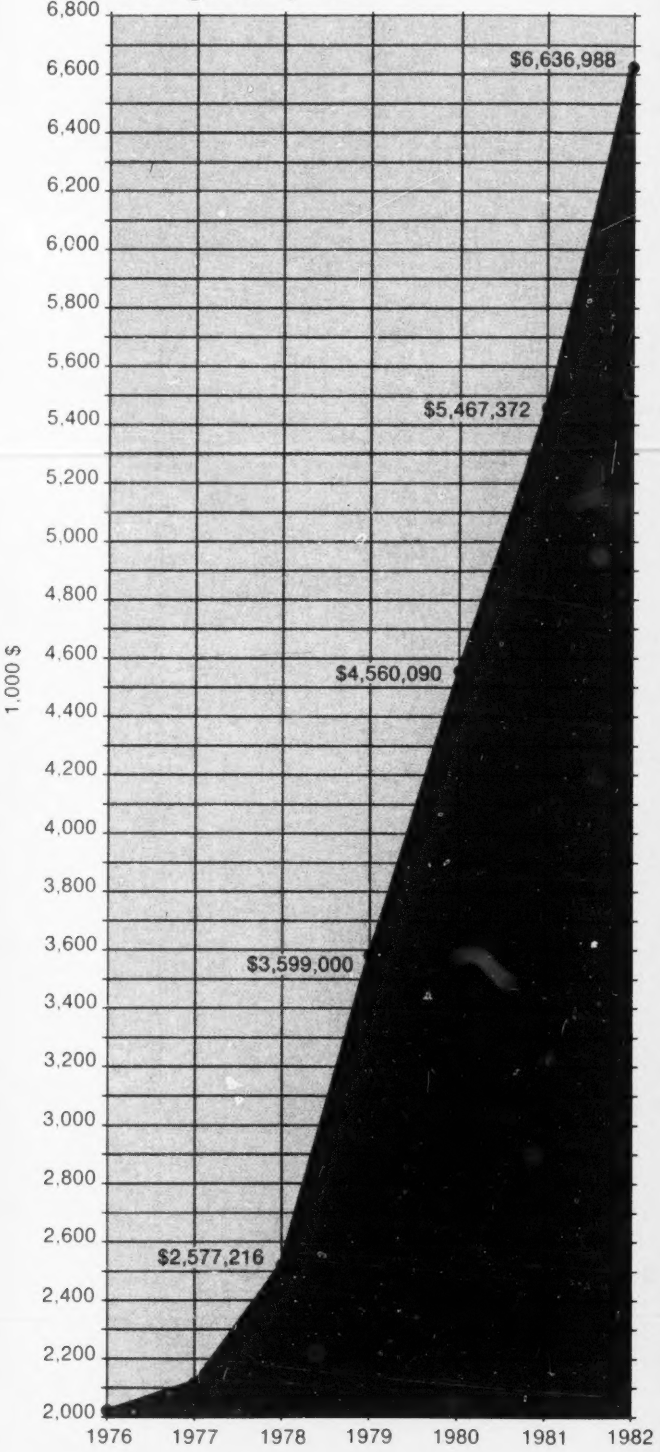
Average mud cost per well



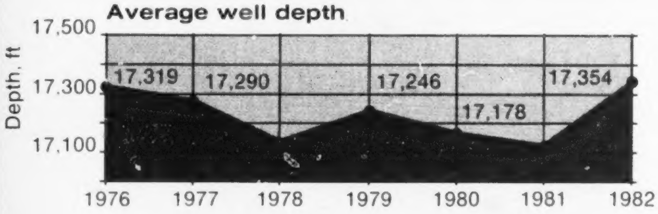
Average bits per well



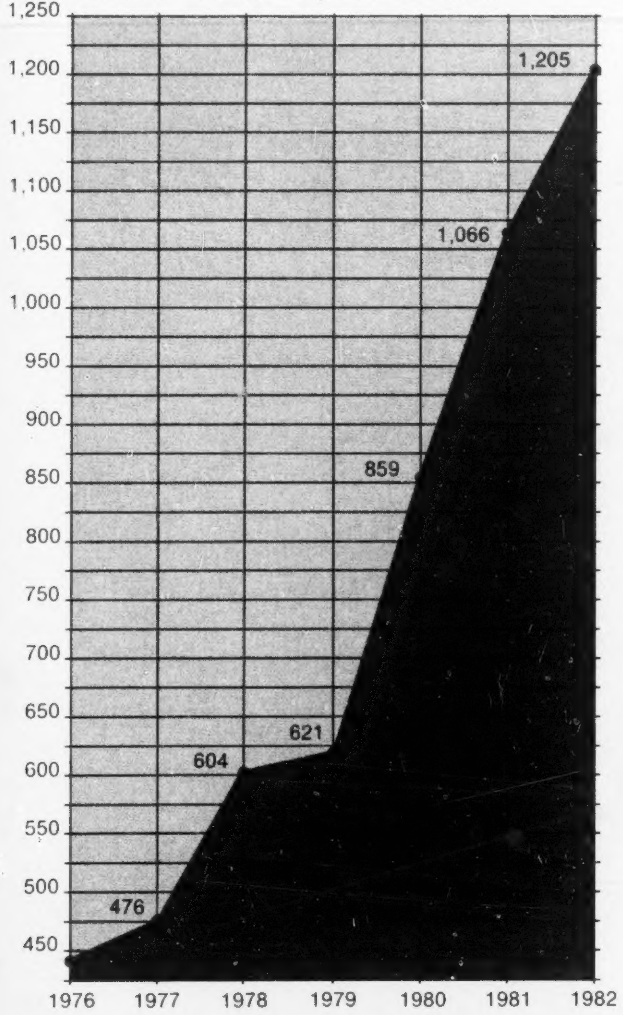
Average cost per well



Average well depth



Number of wells 15,000 ft & below



DEEP WELL OPERATORS

There were 242 deep well operators in 1982.

- Adams Exploration Co.
- Ada Oil Exploration Corp.
- Adco Production Co.
- Adobe Oil & Gas Corp.
- Amarex Inc.
- Amerada Hess Corp.
- American Quasar Petroleum Co.
- Aminoil USA Inc.
- Amoco Production Co.
- Anadarko Land & Exploration Co.
- Anadarko Production Co.
- Andover Oil Co.
- ANR Production Co.
- An-Son Corp.
- Ansythe Exploration
- Apache Corp.
- ARCO Oil and Gas Co.
- Arkla Exploration Co.
- Aspen Exploration
- ATAPCO
- Avanti Energy
- Bass Enterprises Production Co.
- Berry Petroleum Corp.
- Borden Inc.
- Border Exploration Co.
- Bow Valley Exploration (U.S.) Inc.
- Bracken Exploration Co.
- Brent Exploration
- Tom Brown Inc.
- BTA Oil Producers
- Bunker Exploration Co.
- Burkhart Petroleum Corp.
- Buttonwood Petroleum Inc.
- C & K Petroleum Inc.
- Callon Petroleum Co.
- Caltex Petroleum Corp.
- Cambridge & Nail
- Jerry Chambers
- Champlin Petroleum Co.
- Chevron U.S.A. Inc.
- Cities Service Co.
- Clements Energy Inc.
- Cliffs Drilling Co.
- CNG Producing Co.
- Cockrell Oil Corp.
- Columbia Gas Development Corp.
- Conoco Inc.
- Continental Resources Corp.
- Coquina Oil Corp.
- Coral Petroleum Inc.
- Core Petroleum Ltd.
- Cotton Petroleum Corp.
- Edwin L. Cox/Berry R. Cox
- John L. Cox
- Crown Central Petroleum Corp.
- Dallas Exploration Inc.
- Damco Energy
- Damson Oil Corp.
- Davis Oil Co.
- Deep Gas Energy
- Deep Gas Exploration Inc.
- Devon Corp.
- DI Energy Inc.
- Dorchester Exploration Inc.
- Dow Chemical U.S.A.
- Walter Duncan Inc.
- Dyco Petroleum Corp.
- E & I Exploration
- El Paso Natural Gas Co.
- Encino Oil
- Energy Reserves Group Inc.
- Energy Resources Oil & Gas Corp.
- Ennex Production Co.
- Enstar Petroleum Inc.
- Entex Petroleum Inc.
- ETS Enterprises
- Exchange Oil & Gas Corp.
- Exxon Co. U.S.A.
- Federated Energy
- First Energy Corp.
- Florida Exploration Co.
- Forest Oil Corp.
- Franks Petroleum Inc.
- Joseph F. Fritz
- Gadsco Inc.
- Gas Transportation Corp.
- General American Oil Co. of Texas
- Getty Oil Co.
- The GHK Companies
- GMW Corp.
- Grace Petroleum Corp.
- Gulf Oil Corp.
- Hadson Petroleum Corp.
- Michel T. Halbouty Energy Co.
- Hamilton Brothers Oil Co.
- Jake L. Hamon
- Hanover Management
- Harper Oil Co.
- HCW Exploration
- William G. Helis Estate
- Helmerich & Payne Inc.
- Hilliard Oil & Gas Inc.
- HNG Oil Co.
- Houston Oil & Minerals Corp.
- Howell Drilling Inc.
- Hunt Energy Corp.
- Hunt Oil Co.
- Husky Oil Co.
- IMC Exploration Co.
- Indrex Integrated Drilling & Exploration
- Inexco Oil Co.
- InterNorth Inc.
- J.F.D. Inc.
- Jones Exploration Co.
- Kaiser-Francis Oil Co.
- Kelly-Broc
- Kerr-McGee Corp.
- Roy E. Kimsey Jr.
- Kirby Exploration Co.
- Latham Exploration Co. Inc.
- Lea Exploration Co.
- Lear Petroleum Corp.
- Leede Oil & Gas Inc.
- Lee Energy Exploration
- LGS Exploration Inc.
- The Louisiana Land & Exploration Co.
- Loutex Energy
- Lyons Petroleum Inc.
- McAlester Fuel Co.
- McCormick Oil & Gas Co.
- McFarlane Oil Co.
- McMoRan Exploration Co.
- McRae Exploration Inc.
- Magic Circle Energy Corp.
- Mapco Inc.
- Marathon Oil Co.
- Marlon Corp.
- Tom F. Marsh Inc.
- Marshall Oil Corp.
- Martin Exploration Co.
- May Petroleum Inc.
- Mesa Petroleum Co.
- MGF Oil Corp.
- Michigan-Wisconsin Pipe Line Co.
- Midroc Oil Co.
- R. G. Mitchell
- R. L. Mitchell
- Mobil Oil Corp.
- Moncrief Oil Interests
- Monsanto Oil Co.
- Mosbacher Production Co.
- MTS Ltd. PA
- Natomas North America Inc.
- Natural Gas Corp. of California
- Nicklos Oil & Gas Co.
- Nortex Gas & Oil Co.
- Northwest Exploration Co.
- Nova Energy Corp.
- Ocean Drilling & Exploration Co.
- Oneok Exploration Co.
- Oxy Petroleum Inc.
- Patrick Petroleum Co.
- PCX Corp.
- Pel-Tex Oil Co. Inc.
- Pelto Oil Co.
- Pend Orielle Oil & Gas Co.
- Pennington Oil Inc.
- Pennzoil Exploration and Production Co.
- The Petroleum Corp. of Delaware
- Petrus Operating
- Phelps Dodge Fuel Development Corp.
- Phillips Petroleum Co.
- Pioneer Production Corp.
- Placid Oil Co.
- Plateau Exploration & Production
- Pogo Producing Co.
- Ports-of-Call Oil Co.
- Prudential Drilling Co.
- Pruet Oil Co.
- Quintana Petroleum Corp.
- R & R Exploration Co. Inc.
- Ratliff Exploration
- Reading & Bates Petroleum Co.
- Ricks Exploration Co.
- RK Petroleum Corp.
- Robinson Brothers Drilling Co.
- Sabine Production Co.
- Samedan Oil Corp.
- Samson Resources Co.
- Sandefer Oil & Gas Inc.
- Sanguine Ltd.
- Santa Fe Energy Co.
- Saxon Oil Co.
- Scandrill Oil
- Seawide Ltd.
- Shell Oil Co.
- Sohio Petroleum Co.
- Sonat Exploration Co.
- Southland Royalty Co.
- South Louisiana Production Co.
- Southwest Petroleum Corp.
- Spooner Petroleum Co.
- The Stone Oil Corp.
- Sun Exploration and Production Co.
- Sunrise Exploration
- Superior Oil
- Supron Energy Corp.
- System Fuels Inc.
- Tana Oil & Gas Corp.
- Tatham Oil & Gas Co.
- John A. Taylor
- Tenneco Oil Co.
- Terra Resources Inc.
- Texaco Inc.
- Texas Crude Inc.
- Texas Eastern Corp.
- Texas Gas Exploration Corp.
- Tipco
- Toce Oil
- Tomlinson Interests Inc.
- Towner Petroleum Co.
- Transcontinental Oil Corp.
- Transco Exploration Co.
- Trans-Western Exploration Inc.
- Trigg Drilling Co.
- TXO Production Corp.
- Union Oil Co. of California
- Union Texas Petroleum
- Unit Drilling and Exploration Co.
- Universal Resources Corp.
- Wagner & Brown
- Wainoco Oil & Gas Co.
- L. O. Ward
- Weaver Exploration Co.
- Weaver Oil and Gas Corp.
- Westland Oil Development Corp.
- Westland Oil Co.
- Whitmar Exploration
- Williams Exploration Co.
- Woods Petroleum Corp.
- WWF Oil Co.
- Yates Petroleum Corp.

132 Ultradeep Wells Cost $1.5 Billion

The number of ultradeep wells completed in the U.S. went way over the century mark for the first time last year after having been stuck at 81 during both 1980 and 1981. Last year's 132 wells drilled to 20,000 ft or deeper cost almost $1.5 billion, and they resulted in 50 commercial producers.

At an average cost per well of $11 million, the ultradeep wells last year cost $564.74/ft to drill and complete. They consumed 60 bits apiece, and they each used more than a million dollars worth of drilling fluids. Their success ratio (37.8%) reflected a substantial drop from 1981's success ratio of 60.2%, but it was better than the 31.3% registered by 1979's 64 ultradeep wells.

In Oklahoma, 67 out of 493 deep wells last year were drilled past the 20,000-ft mark, so that state can claim the lead in both categories. In second place among ultradeep drilling states is Texas, with 31. Louisiana is third with 20. Only three ultradeep wells were drilled offshore in 1982, although two of them, offshore Alabama, were completed as producers. They cost, however, more than $30 million apiece.

More than half (62%) of the ultradeep wells were wildcats last year, and their vital statistics conform pretty closely to overall ultradeep well data – except that only 29.3% of them were successful. Success ratio for ultradeep development wells was 62%.

Oklahoma led all states in ultradeep wildcatting with 34 wells – 13 of them successful. And, the state's drillers were able to do it for less per-well cost than it took in 1981. Last year's 34 ultradeep Oklahoma exploration wells cost an average of $9.85 million ($458.14/ft), compared with 1981's average cost for nine wildcats of $10.06 million ($460.13/ft). Six of the 1981 wildcats were successful, however.

Texas was in second place last year with 25 ultradeep wildcats – eight of which were successful. They were drilled to an average total depth of 22,202 ft at an average cost of $466.75/ft.

TABLE 1. U.S. ultradeep drilling
All wells drilled to 20,000 ft or deeper

		1982 (132 wells)	1981 (81 wells)	1980 (81 wells)
Average well depth		21,617 ft	21,546 ft	21,645 ft
Average cost/well		$11,242 ($520.05/ft)	$9,957 ($462.15/ft)	$8,361 ($386.27/ft)
Average mud cost/well		$1,068 ($49.39/ft)	$1,041 ($48.30/ft)	$999 ($46.14/ft)
Average bits/well		60.3 (558.2 ft/bit)	47.2 (473 ft/bit)	45.5 (476 ft/bit)
Success ratio		37.8%	60.2%	51.9%
Wildcat success ratio		29.3% (82 wells)	53.6% (57 wells)	50% (50 wells)
Development success ratio		62% (50 wells)	74.5% (24 wells)	54.8% (31 wells)
Total costs:	Mud	$140,939	$84,284	$80,887
	Drilling	$1,316,263	$674,994	$548,703
	Completion	$166,926	$129,065	$115,981
	Total	$1,483,931	$806,537	$677,231
	Total footage	2,853,430	1,745,190	1,753,255

(Costs in thousand dollars except dollars per foot)

Only one of Louisiana's 13 ultradeep wildcats was successful. Five of the state's seven development wells are producers, however. As might be expected when dealing with the enormous pressures and temperatures of the deep Tuscaloosa Trend, Louisiana's ultradeep well costs are the highest of any state with more than one or two of the super wells. Pelican State operators paid $12.3 million per ultradeep well in 1982. Ultradeep rigs in Oklahoma turned to the tune of $10.2 million for each of that state's 67 20,000-ft wells. And

TABLE 2. Alabama offshore ultradeep drilling
All wells drilled to 20,000 ft or deeper

	1982 (2 wells)	1981 (0 wells)	1980 (0 wells)
Average well depth	21,404 ft	0	0
Average cost/well	$36,750	0	0
	($1,716/ft)		
Average mud cost/well	$1,940	0	0
	($90.61/ft)		
Average bits/well	106.5	0	0
	(201 ft/bit)		
Success ratio	100%	0	0
Wildcat success ratio	0%	0	0
	(0 wells)		
Development success ratio	100%	0	0
	(2 wells)		
Total costs: Mud	$3,879		
Drilling	$66,173		
Completion	$7,327		
Total	$73,500		
Total footage	42,808		

(Costs in thousand dollars except dollars per foot)

TABLE 3. Florida offshore ultradeep drilling
All wells drilled to 20,000 ft or deeper

	1982 (1 well)	1981 (0 wells)	1980 (0 wells)
Average well depth	21,068 ft	0	0
Average cost/well	$23,110	0	0
	($1,096/ft)		
Average mud cost/well	$2,073	0	0
	($98.40/ft)		
Average bits/well	84	0	0
	(251 ft/bit)		
Success ratio	0%	0	0
Wildcat success ratio	0%	0	0
	(1 well)		
Development success ratio	0%	0	0
	(0 wells)		
Total costs: Mud	$2,073		
Drilling	$23,110		
Completion	0		
Total	$23,110		
Total footage	21,068		

(Costs in thousand dollars except dollars per foot)

TABLE 4. Louisiana ultradeep drilling
All wells drilled to 20,000 ft or deeper

	1982 (20 wells)	1981 (27 wells)	1980 (24 wells)
Average well depth	20,844 ft	21,107 ft	21,259 ft
Average cost/well	$12,389	$10,867	$8,918
	($594.37/ft)	($514.83/ft)	($419.49/ft)
Average mud cost/well	$1,390	$1,181	$1,159
	($66.70/ft)	($55.96/ft)	($54.52/ft)
Average bits/well	53.4	49.8	47.5
	(390 ft/bit)	(424 ft/bit)	(448 ft/bit)
Success ratio	30%	55.6%	45.8%
Wildcat success ratio	7.7%	45%	47.4%
	(13 wells)	(20 wells)	(19 wells)
Development success ratio	71.4%	85.7%	40%
	(7 wells)	(7 wells)	(5 wells)
Total costs: Mud	$27,804	$31,889	$27,818
Drilling	$229,169	$241,265	$171,184
Completion	$18,607	$50,707	$41,150
Total	$247,777	$293,398	$214,035
Total footage	416,876	569,893	510,221

(Costs in thousand dollars except dollars per foot)

TABLE 5. Mississippi ultradeep drilling
All wells drilled to 20,000 ft or deeper

	1982 (7 wells)	1981 (10 wells)	1980 (8 wells)
Average well depth	21,678 ft	22,269 ft	22,129 ft
Average cost/well	$10,406	$12,279	$11,860
	($480/ft)	($551.40/ft)	($535.95/ft)
Average mud cost/well	$1,251	$1,310	$1,286
	($57.70/ft)	($58.82/ft)	($58.13/ft)
Average bits/well	45.1	63.1	57.5
	(480 ft/bit)	(353 ft/bit)	(385 ft/bit)
Success ratio	14.3%	40%	37.5%
Wildcat success ratio	20%	28.6%	20%
	(5 wells)	(7 wells)	(5 wells)
Development success ratio	0%	66.7%	66.7%
	(2 wells)	(3 wells)	(3 wells)
Total costs: Mud	$8,756	$13,099	$10,291
Drilling	$68,025	$98,344	$72,590
Completion	$4,814	$24,449	$21,791
Total	$72,839	$122,793	$94,882
Total footage	151,748	222,692	177,035

(Costs in thousand dollars except dollars per foot)

TABLE 6. Oklahoma ultradeep drilling
All wells drilled to 20,000 ft or deeper

	1982 (67 wells)	1981 (14 wells)	1980 (14 wells)
Average well depth	21,601 ft	21,620 ft	22,910 ft
Average cost/well	$10,233	$9,988	$7,452
	($473.72/ft)	($461.95/ft)	($325.24/ft)
Average mud cost/well	$958	$910	$802
	($44.34/ft)	($42.10/ft)	($35.02/ft)
Average bits/well	63	64.2	47.6
	(343 ft/bit)	(337 ft/bit)	(481 ft/bit)
Success ratio	43.3%	50.0%	57.1%
Wildcat success ratio	38.2%	66.7%	66.7%
	(34 wells)	(9 wells)	(6 wells)
Development success ratio	48.5%	20%	50%
	(33 wells)	(5 wells)	(8 wells)
Total costs: Mud	$64,171	$12,742	$11,231
Drilling	$589,933	$122,638	$81,149
Completion	$95,666	$17,144	$23,171
Total	$685,603	$139,825	$104,321
Total footage	1,447,287	302,681	320,746

(Costs in thousand dollars except dollars per foot)

TABLE 7. Texas ultradeep drilling
All wells drilled to 20,000 ft or deeper

	1982 (31 wells)	1981 (25 wells)	1980 (27 wells)
Average well depth	22,149 ft	21,879 ft	21,497 ft
Average cost/well	$9,890	$7,834	$6,510
	($446.54/ft)	($358.06/ft)	($302.84/ft)
Average mud cost/well	$909	$884	$863
	($41.02/ft)	($40.41/ft)	($40.14/ft)
Average bits/well	51.7	37.6	34.9
	(429 ft/bit)	(581 ft/bit)	(616 ft/bit)
Success ratio	35.5%	72%	70.4%
Wildcat success ratio	32%	62.5%	73.3%
	(25 wells)	(16 wells)	(15 wells)
Development success ratio	50%	88.9%	66.7%
	(6 wells)	(9 wells)	(12 wells)
Total costs: Mud	$28,167	$22,101	$23,299
Drilling	$274,053	$163,832	$142,729
Completion	$31,812	$32,018	$28,179
Total	$306,602	$195,850	$175,773
Total footage	686,618	546,972	580,413

(Costs in thousand dollars except dollars per foot)

(Continued)

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MUD PUMPS

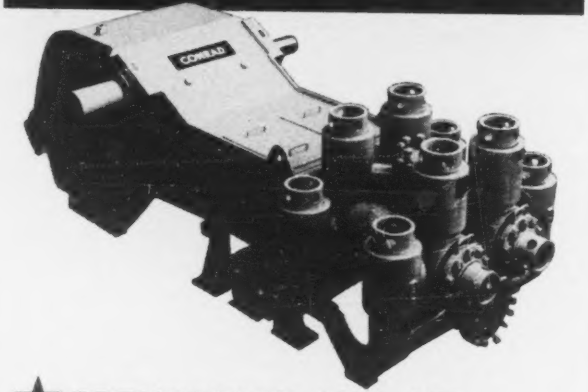

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TABLE 8. Utah ultradeep drilling
All wells drilled to 20,000 ft or deeper

	1982 (1 well)	1981 (0 wells)	1980 (1 well)
Average well depth	21,874 ft	0	21,845 ft
Average cost/well	$12,000 ($548.60/ft)	0	$11,823 ($541.22/ft)
Average mud cost/well	$1,187 ($54.27/ft)	0	$1,563 ($71.55/ft)
Average bits/well	107 (204 ft/bit)	0	117 (187 ft/bit)
Success ratio	0%	0	0%
Wildcat success ratio	0% (1 well)	0	0% (1 well)
Development success ratio	0% (0 wells)	0	0% (0 wells)
Total costs: Mud	$1,187		$1,563
Drilling	$12,000		$10,730
Completion	0		0
Total	$12,000		$11,823
Total footage	21,874		21,845

(Costs in thousand dollars except dollars per foot)

TABLE 9. Wyoming ultradeep drilling
All wells drilled to 20,000 ft or deeper

	1982 (3 wells)	1981 (1 well)	1980 (2 wells)
Average well depth	21,717 ft	20,170 ft	20,354 ft
Average cost/well	$20.833 ($959.31/ft)	$10,344 ($512.84/ft)	$6,532 ($320.90/ft)
Average mud cost/well	$1,634 ($75.24/ft)	$1,055 ($52.31/ft)	$713 ($35.03/ft)
Average bits/well	118 (184 ft/bit)	75 (269 ft/bit)	49 (415 ft/bit)
Success ratio	33.3%	100%	50%
Wildcat success ratio	33.3% (3 wells)	100% (1 well)	0% (0 wells)
Development success ratio	0% (0 wells)	0% (0 wells)	50% (2 wells)
Total costs: Mud	$4,902	$1,055	$1,426
Drilling	$53,800	$5,820	$11,262
Completion	$8,700	$4,524	$1,690
Total	$62,500	$10,344	$13,063
Total footage	65,151	20,170	40,708

(Costs in thousand dollars except dollars per foot)

drillers in Texas charged an average of $9.8 million for the 31 ultradeep wells in that state.

Mississippi, which had seven of the big wells, put them down at a cost of $10.4 million apiece ($480/ft). Only one, a wildcat, was successful, however.

Oklahoma success ratio was tops among the leading ultradeep-drilling states, although Louisiana registered an impressive 71.4% for its seven super-deep development wells.

At the beginning of last year, a number of the new generation of super rigs (designed to drill to 50,000 ft or deeper) were over holes targeted to depths greater than the 8-year-old record of 31,441 ft. But, so far, the record still stands. Whether it will fall this year or not, only time will tell. Most of the candidate wells are in Oklahoma, however, and bank problems there last summer played havoc with the availability of drilling funds. That is a third problem to be coped with by Oklahoma operators (in particular), as well as declining gas prices and confusing tax policies.

—Rich McNally and Mary Jane Ellis

mented. Under terms of the anticipated agreement, the Bartlesville center, which has been run by the federal government since 1918, would remain government owned.

International Count Shows One-Rig Gain

The international rotary rig count closed out 1982 with 1,447 active rigs, only one more than the total at the end of 1981. There was a 29-rig increase offshore, however.

The Middle East, aided by the return to the charts of Iran and Iraq, is credited with a 56-rig increase. The second-best showing was made by the Far East, with a 16-rig increase.

On the downside, Latin America was down by 36 rigs, and Europe was off 20. The South Pacific (Australia, New Zealand, and Papua New Guinea) was down 13 rigs. Africa was off by only two.

International Rotary Rig Report, prepared by Hughes Tool Co.

(Figures in parentheses indicate how many of each country's rigs are offshore rigs.)

	Dec. 1981	Nov. 1982	Dec. 1982
Africa			
Algeria	77	90	90
Angola	8(6)	13(9)	13(9)
Benin	0	1(1)	1(1)
Cameroun	6(6)	7(6)	7(6)
Chad	1	1	1
Gabon	15(11)	10(8)	10(8)
Guinea	0	1	1
Ivory Coast	6(6)	5(5)	5(5)
Libya	33(2)	28(1)	28(1)
Morocco	6(1)	5	5
Niger	5	1	1
Nigeria	28(9)	22(13)	21(11)
Congo	7(5)	5(4)	5(4)
Zaire	3(1)	2(1)	2(1)
Senegal	0	1	1
Sierra Leone	0	1(1)	1(1)
South Africa	2(2)	2(2)	2(2)
Sudan	2	3	3
Tunisia	11(3)	11(3)	11(3)
	210(52)	209(55)	208(53)
Europe			
Austria	10	8	8
Denmark	2(2)	2(2)	2(2)
France	30(2)	15(1)	13
Germany	30	31	31
Greece	6(3)	4(2)	4(2)
Holland	18(9)	23(15)	23(15)
Italy	33(8)	34(7)	37(7)
Norway	12(12)	12(12)	12(12)
Portugal	1	1	1
Spain	12(3)	10(4)	10(4)
Switzerland	1	1	1
United Kingdom	63(55)	53(51)	53(50)
Yugoslavia	22	25	25
	240(94)	219(94)	220(92)
Far East			
Bangladesh	4	6	4
Brunei	7(6)	12(8)	13(9)
Burma	24	33	34(1)
India	44(7)	53(12)	54(12)
Indonesia	89(29)	93(33)	93(33)
Japan	17(2)	19(2)	19(2)
Malaysia	13(13)	14(14)	11(11)
Pakistan	14	18	18
Philippines	17(3)	10(1)	12(1)
Sri Lanka	1(1)	0	0
Taiwan	12(1)	1(1)	0
Thailand	7(4)	7(4)	7(4)
	249(66)	266(75)	265(73)
Latin America			
Argentina	62(4)	67(1)	70(1)
Barbados	1	1	1
Bolivia	14	8	8
Brazil	89(29)	99(36)	100(36)
Chile	9(3)	6(3)	6(3)
Colombia	23	24(1)	21(1)
Costa Rica	0	1	1
Dominican Rep.	1	0	0
Ecuador	5	6(1)	6(1)
Guatemala	7	3	4
Mexico	220(19)	194(23)	187(22)
Paraguay	1	0	0
Peru	26(5)	21(6)	18(5)
Trinidad	14(6)	13(5)	10(5)
Venezuela	67(16)	72(18)	68(18)
	536(82)	515(94)	500(92)
Middle East			
Abu Dhabi	35(16)	44(27)	44(17)
Bahrain	1	1	1
Dubai	3(2)	2(1)	2(1)
Egypt	30(19)	39(21)	39(21)
Iran	0	11(2)	11(2)
Iraq	5	28	28
Kuwait	3	5	5
Oman	11	12(2)	12(2)
Qatar	6(3)	3(1)	3(1)
Ras Al Khaimah	1	2(1)	2(1)
Saudi Arabia	29(13)	28(12)	28(12)
Sharjah	3(1)	2	2
Syria	16	15	15
Turkey	26	43	33
Umm Al Qaiwain	1	1	1
	170(54)	236(67)	226(67)
South Pacific			
Australia	38(9)	30(11)	27(10)
New Zealand	2(1)	1	1
Papua New Guinea	1	0	0
	41(10)	31(11)	28(10)
Totals	**1,446 (358)**	**1,476 (396)**	**1,447 (387)**

Enstar Completes Sixth Mestena Well

Enstar Petroleum Inc. has completed the sixth natural gas well in the Mestena Grande field in Jim Hogg County, Texas.

The Mestena E-6 tested 3 MMcfd of gas and 153 b/d of condensate with a flowing tubing pressure of 2,800 psi. The well was completed in the Queen City formation over selected intervals between 9,530 and 9,664 ft.

Equatorial Guinea Calls For Bids

The government of Equatorial Guinea in sub-Sahara Africa has issued a call for bids for oil exploration. Deadline for bidding is March 23, 1983.

Seismic data, an evaluation of the country's hydrocarbon potential, and a copy of its petroleum law are available from Petroconsultants S.A., 8-10 Rue Muzy, CH-1211, Geneva, Switzerland.

Additional information in the U.S. is available from Simon Bensimon, Equatorial Guinea Desk Officer, U.S. Department of Commerce, Washington, D.C. His phone number is (202) 377-0357.

ITR Completes Louisiana Discovery

ITR Petroleum Inc.'s Lake Charles Naval Stores No. 2 well in the Reeves field in Allen Parish, Louisiana, penetrated 14 ft of pay in the Frio sand. It tested 336 b/d of 29° gravity oil through an 18/64-in. choke with flowing tubing pressure of 320 psi from perforations at 5,840-46 ft.

Buttes Finds Oil In Bancroft Sand

Buttes Resources Co.'s Doornbos McPherson K No. 1 well has been completed in the previously untested Bancroft sand at 8,003 to 8,008 ft.

The well, flowing 119 b/d of crude on an 8/64-in. choke with flowing tubing pressure of 980 psi, is located in the Hurricane Creek field in Beauregard Parish, Louisiana.

Gas Discovery Northwest Of Denver

Carter/Edwards Production Inc.'s No. 22-1 Church Estate is the first commercial natural gas well in Jefferson County, Colorado.

Located 13 miles northwest of Denver, the well tested 326 Mcfd of gas and 12 b/d of fluid through a 32/64-in. choke with casing pressure of 900 psi from the J sandstone between 9,508 and 9,556 ft. The fluid is a mixture of oil, condensate, and water.

Deca Drills Wyoming Gasser

Deca Energy Corp. has completed its 7-1 Amoco-Champlin gas well in Sweetwater County, Wyoming. Drilled to total depth of 5,190 ft, the well was completed in the Second Frontier sand at 5,135-45 ft.

It flowed 1.4 MMcfd of gas on a 3/4-in. choke during an initial potential test.

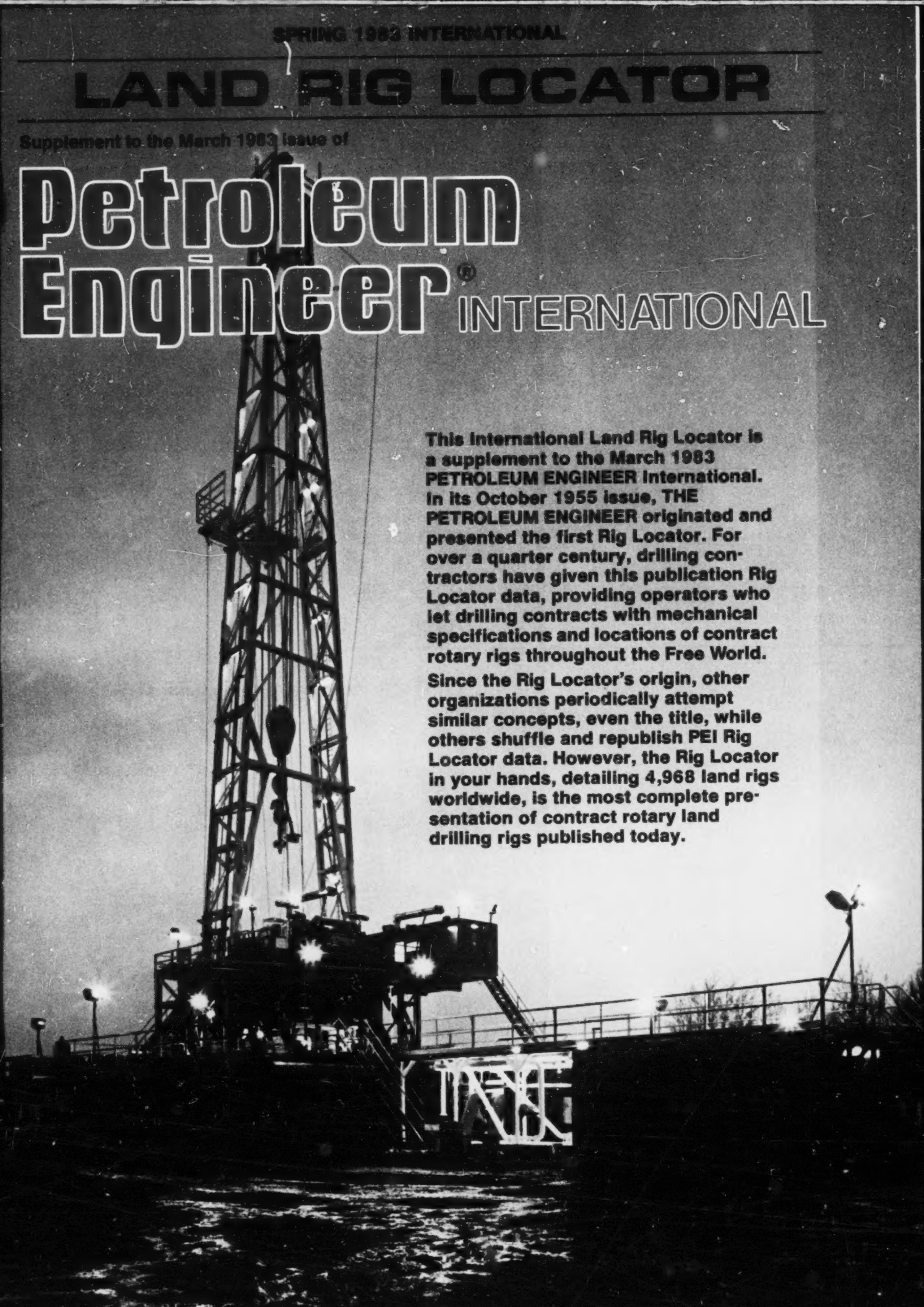
(Continued)

SPRING 1983 INTERNATIONAL

LAND RIG LOCATOR

Supplement to the March 1983 issue of

Petroleum Engineer® INTERNATIONAL



This International Land Rig Locator is a supplement to the March 1983 PETROLEUM ENGINEER International. In its October 1955 issue, THE PETROLEUM ENGINEER originated and presented the first Rig Locator. For over a quarter century, drilling contractors have given this publication Rig Locator data, providing operators who let drilling contracts with mechanical specifications and locations of contract rotary rigs throughout the Free World.

Since the Rig Locator's origin, other organizations periodically attempt similar concepts, even the title, while others shuffle and republish PEI Rig Locator data. However, the Rig Locator in your hands, detailing 4,968 land rigs worldwide, is the most complete presentation of contract rotary land drilling rigs published today.

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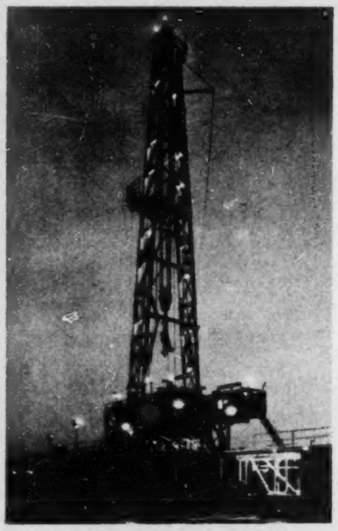
Spring 1983 International

LAND RIG LOCATOR



Bawden Drilling Inc.'s Rig 2, a National 1320 UE, operating in Texas (photo by Ray Wagner).

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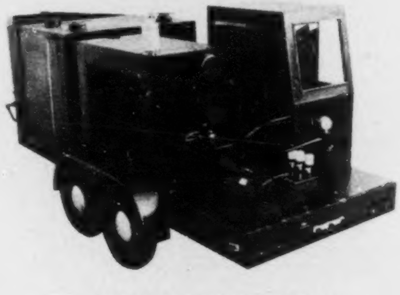

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ALLEN DRILLING CO 1105 Walnut PO Box 1389 Great Bend KS 67530 316-793-5681, 3582, 3583
ALLISON BROS DRILLING CO 1275 Sherman St Ste 202 Denver CO 80203 303-861-2228
ALLISON DRILLING CO 1275 Sherman St Ste 202 Denver CO 80203 303-861-2228
AMERICAN WELL SERVICE & DRILLING PO Box 53365 Lafayette LA 70505 318-837-1852
ANDERSON-MYERS DRILLING CO 3 Park Central Ste 1150 1515 Arapahoe Denver CO 80202 303-595-0842
ANTELOPE DRILLING 6265 E Huerfano Rd Avondale CO 81022 303-948-2201
APOLLO DRILLING 1625 Broadway Ste 2030 Denver CO 80202 303-623-1555
APOLLO DRILLING INC Campbell Centre I Ste M-2150 Dallas TX 75206 214-361-8920
ARAPAHOE DRILLING CO PO Box 26687 Albuquerque NM 87125 505-247-2294
ARBUCKLE DRILLING CO PO Box 2167 Ardmore OK 73401 405-223-4282
ARCTIC ALASKA DRILLING CO 200 North C St Anchorage AK 99501 907-276-5464
ARD DRILLING CO PO Box 1030 Midland TX 79702 915-684-5716
ARDEN DRILLING CO PO Box 968 Edmond OK 73083 405-348-1806
ARDMORE DRILLING CO PO Box 308 Ardmore OK 73401 405-223-2292
ARMSTRONG DRILLING INC PO Box 545 Wooster OH 44691 216-262-4101
ARROWHEAD DRILLING LTD 710 999 Eighth St SW Calgary Alberta T2R 1J5 Canada 403-245-2817
ARTESIA FISHING TOOL CO PO Box 196 Artesia NM 88210 505-746-6651
ASHTOLA DRILLING CO PO Box 9198 Amarillo TX 79105 806-376-4371
ASPEN DRILLING CO PO Box P Shelby MT 59474 406-434-5266
ASTRO DRILLING CO 6801 S Western Ste 201 Oklahoma City OK 73139 405-632-9729
ATCO DRILLING INC 3525 S Tamarac Ste 110 Denver CO 80237 303-770-2490
ATCO DRILLING INC SOUTHERN DIV 10590 Westoffice Dr Ste 200 Houston TX 77042 713-777-9199
ATLANTIC OIL CO PO Box 497 Paramount CA 90723 213-633-5151
JIMMIE AUSTIN & SONS INC PO Box 1240 Seminole OK 74868 405-382-2600
AUSTIN DRLG CO PO Box 1240 Seminole OK 74868 405-382-2600
AUSTIN-DUNHAM INC PO Box 1240 Seminole OK 74868 405-382-2600
AZTEC WELL SERVICE CO PO Box B Aztec NM 87410 505-334-6194

B

B D K DRILLING CO PO Box 2488 Victoria TX 77902-2488 512-573-9121
B F & B DRILLING INC (See RICK BUCK OIL & GAS CORP)
B-J INC PO Box 461 Crossville TN 38555 615-484-8969
BJM DRILLING & EXPLORATION INC 1200 W Wall Midland TX 79701 915-563-3025
BADGER EXPLORATION INC 7600 Chevy Chase II Ste 202 Austin TX 78752 512-452-9315
BAILEY DRILLING CO 700 American Tower Shreveport LA 71101 318-227-8342
PERNIE BAILEY DRILLING CO PO Box 70 Port Barre LA 70577 318-585-6462
BAKER & TAYLOR DRILLING CO PO Box 2748 Amarillo TX 79105 806-373-8307
BAKER OIL & DRILLING CO 6540 W Edison St Tulsa OK 74127 918-481-1252
BALTIC DRILLING LTD 901-7015 MacLeod Trail SW Calgary Alberta T2H 2K6 Canada 403-259-5213
BANDERA DRILLING CO 809 T&P Lane Abilene TX 79602 915-676-5591
BANNER DRILLING CO 222 W 27th St Scottsbluff NE 69361 308-632-3311
BARNES CORE DRILLING CO 1350 Roberts Lane Bakersfield CA 93308 805-399-9181
BARNHART DRILLING CO PO Box 1638 First & Monroe Riverton WY 82501 307-856-6481
BARR DRILLING CORP PO Box 148 Salem IL 62881 628-548-0200
BASIN DRILLING CORP 900 Oil Center W 2601 Northwest Expy Oklahoma City OK 73112 405-840-2911
BATES-GREAT WESTERN ENERGY INC PO Box 128 Konawa OK 74849 405-925-3263
BAULCH DRILLING CO 1800 Latta Rd Ada OK 74820 405-332-3155
PETER BAWDEN DRILLING INC CALIFORNIA DISTRICT 12832 Valley View St Ste 210 Garden Grove CA 92645 714-898-0491
PETER BAWDEN DRILLING INC TEXAS DISTRICT 16810 Barker/Springs Rd Ste 200 Houston TX 77084 713-492-7262
PETER BAWDEN DRILLING LTD 2851 S Parker Rd Ste 310 Aurora CO 80014 303-955-8661
BAY DRILLING CORP PO Box 2316 Houma LA 80361 504-872-4888
BAYLESS DRILLING CO PO Box 2669 Farmington NM 87401 505-327-7214
BEARD DRILLING CO PO Box 263 Mt Carmel IL 62863 618-262-5194
BEARD DRILLING CO 2000 Classen Center 2000 Classen Blvd Oklahoma City OK 73106 405-524-2664
JACK E BEARDEN DRILLING CO 4605 Jacksboro Hwy PO Box JEBCO Wichita Falls TX 76307 817-767-1474
BENNET PRODUCTION CORP PO Drawer 391 Bowie TX 76230 817-872-1183
BEREDCO INC 401 E Douglas Wichita KS 67202 316-265-2856
BERENTZ DRILLING CO PO Box 428 Eureka KS 67045 316-583-5202

B (Cont'd)

BERGMAN DRILLING INC 520 Union Center Bldg Wichita KS 67202 316-267-5291
BEVERLY DRILLING CO PO Box 446 Logan OH 43183 614-385-8085
BIG 6 DRILLING CO 7500 San Felipe Ste 666 Houston TX 77063 713-783-2300
BIG CHIEF DRILLING CO PO Box 14837 Oklahoma City OK 73113 405-843-5721
BIG SEVEN DRILLING CO 400 Citizens Bldg 115 SE Third St Evansville IN 47708 812-425-3503
BIG SPRINGS DRILLING INC PO Box 8287 Wichita KS 67508 316-681-1732
JAMES BIGARD DRILLING CO 1315 N Mission Rd PO Box 509 Mt Pleasant MI 48858 517-772-5955
BIGHORN DRILLING INC 1625 KSB&T Bldg Wichita KS 67202 316-267-1550
BILBO DRILLING CO PO Box 1099 Victoria TX 77901 512-578-6258
BIRD DRILLING 304 Eighth Ave SW Ste 800 Calgary Alberta T2P 1C2 Canada 403-264-1512
BLACKSTONE DRILLING INC PO Box 1184 523 W Kansas McPherson KS 67460 316-241-1250
BLOCKER DRILLING CO PO Box 2130 Alice TX 78332 512-664-0114
BLOCKER DRILLING 800 Berring Dr Ste 400 Houston TX 77057 713-974-9100
BLOCKER DRILLING CANADA LTD 11012 Macleod Trail S Ste 800 Calgary Alberta T2J 6A5 Canada 403-278-6050
BODARD & HALE DRILLING CO PO Box 1565 Shawnee OK 74801 405-273-7300
J B BOHANNAN DRILLING INC PO Box 6 2324 N Hwy 83 Liberal KS 67901 316-624-2202
BOMAC DRILLING (See GRACE-BOMAC DRILLING)
BONRAY DRILLING CORP Box 340 Rte 4 Oklahoma City OK 73121 405-424-4327
BRAHANEY DRILLING CO PO Box 1694 Midland TX 79702 915-684-6305
BRANDT DRILLING INC 1200 Douglas Bldg Wichita KS 67202 316-262-8357
BRAVO DRILLING INC PO Box 1083 Perryton TX 79070 806-435-2869
BRINKERHOFF-SIGNAL INC 3400 Anaconda Tower 555 17th St Denver CO 80202 303-571-1041
BRITTON INDUSTRIES DRILLING 312 N Big Spring Midland TX 79701 915-684-8271
TOM BROWN INC (See TMBR DRILLING INC)
BRUNNER DRILLING CO Rte 1 Box 165-A Ranger TX 76470 817-647-3742
RICK BUCK OIL & GAS CORP 2525 Northwest Expy Oklahoma City OK 73112 405-848-2866
BUFFALO DRILLING CO PO Box 911 Hays KS 67601 913-735-2215
BUFFALO DRILLING INC 435 Page 220 W Douglas Wichita KS 67202 316-265-9686
L D BURNS DRILLING CO One Parker Square Ste 500 Wichita Falls TX 76308 817-723-0512
BURRIS DRILLING CO 600 N 600-17th St Denver CO 80202 303-892-9718
BURRO DRILLING CO PO Box 4260 Victoria TX 77901 512-578-9021
BUTLER-JOHNSON INC 600 Travis Place Shreveport LA 71101 318-226-0731
BUZZINI DRILLING CO 8700 Crownhill Ste 300 San Antonio TX 78209 512-583-9856

C

C E C DRILLING CO 2601 NW Expwy Ste 1000W Oklahoma City OK 73112 405-840-3356
C M D DRILLING CO 1331 Oakhurst Wichita Falls TX 76302 817-767-8432
C-G DRILLING CO (See GALLOWAY DRILLING CO)
CRC MALLARD WELL INC PO Drawer 51498 OCS Lafayette LA 70505 318-233-4922
CACTUS DRILLING CO 13747 Montfort Ste 300 Dallas TX 75240 214-934-3333
CACTUS DRILLING CORP PO Drawer 2800 Midland TX 79702 915-563-2500 403-263-5670
CALIFORNIA PROD SERV INC 19431 S Santa Fe Ave PO Box 4489 Compton CA 90224 213-639-7074
CAM DRILLING INC PO Box 2755 Abilene TX 79604 915-672-2551
CAPE DRILLING CO PO Box 756 Tyler TX 75710 214-593-8255
CARDINAL DRILLING CO PO Box 1077 Billings MT 59103 406-248-7324
CARTER DEVELOPMENT CORP 8609 NW Plaza Ste 440 Dallas TX 75225 214-521-9580
CARTER LAND & CATTLE CO PO Box 814 Chanute KS 66720 316-431-2080
CASTER WELL DRLG INC Forest Ave Ext Jamestown NY 14701 716-484-7436
M L CATHEY DRILLING INC PO Box 878 Mills WY 82644 307-472-7134
CHALLENGER DRILLING Box 5710 Station "L" Edmonton Alberta T6C 4G2 Canada 403-955-7788
CHALLENGER DRILLING INC 2515 Kelly Lane Houston TX 77066 713-893-9755
CHAPMAN DRILLING CO 3050 Post Oak Blvd Ste 350 Houston TX 77056 713-961-1107
CHEROKEE DRILLING & DEV CORP PO Box 2381 Midland TX 79702 915-563-1516
CHESLEY PRUET DRILLING CO PO Box 31 El Dorado AR 71730 501-863-7196
CHEYENNE DRILLING 515 RH Garvey Bldg Wichita KS 67202 316-687-5471
CHICO DRILLING CO 808 Commerce Bldg Fort Worth TX 76102 817-336-8688
CIMARRON OPERATING CO PO Box 21600 Oklahoma City OK 73156 405-848-2437
CINCO DRILLING CO 211 Highland Cross Ste 200 Houston TX 77073 713-443-3100 512-672-7983
CIRCLE BAR DRILLING CO (See QUARLES DRILLING CO)
CIRCLE C DRILLING CO Rte 4 Box 88 RB Richmond TX 77469 713-341-0922
CLEVELAND DRILLING CO 3131-A Fairhaven Dr Bakersfield CA 93308 805-589-5183
CLIFFS DRILLING CO 2-Allen Center Ste 3150 Houston TX 77002 713-651-9426
COASTAL DRILLING CO 2157 Mohawk St PO Box 5787 Bakersfield CA 93388 805-589-0210
COLEMAN DRILLING CO PO Drawer 3337 Farmington NM 87401 505-325-6892
COLLIER DRILLING CORP PO Box 271 Artesia NM 88210 505-746-3596
COMANCHE DRILLING CO PO Box 636 Cut Bank MT 59427 406-873-5731
COMET DRILLING CO Box 51529 Lafayette LA 70505 318-233-0414
COMPADRE DRILLING & EXPLORATION CORP PO Box 97 Ardmore OK 73401 405-223-3127

C (Cont'd)

CONTINENTAL DRILLING CO 1101 E SE Loop 323 Ste 640 Tyler TX 75703 214-561-5313
CORKY DRILLING CORP PO Box 1267 Big Spring TX 79720 915-263-3660
CORPUS CHRISTI DRILLING CO PO Box 8400 Corpus Christi TX 78412 512-852-7642
COTHRUM DRILLING CO PO Box 18207 Dallas TX 75218 214-321-9115
CRAWFORD DRILLING CO Rte 3 Box 254 Brenham TX 77833 512-451-6447
CRESCENT DRILLING CO PO Box 626 Calhoun Rd Owensboro KY 42301 502-926-4656
CULVER DRILLING CO 3910 Cameron Lafayette LA 70506 318-269-0088
CYCLONE DRILLING INC PO Box 908 Gillette WY 82716 307-682-4161

D

D & D DRILLING CO PO Box 351 Ferriday LA 71334 318-757-3274
D & R DRILLING INC PO Box 4431 Odessa TX 79760 915-563-3550
D B DRILLING CORP 100 Chestnut Abilene TX 79602 915-672-2841
D B DRILLING CORP SHREVEPORT DIV PO Box 1735 Shreveport LA 71166 318-227-8313
DNB DRILLING INC 515 RH Garvey Bldg Wichita KS 67202 316-637-5471
DOC-NCC DRILLING CO PO Box 235 Yatesboro PA 16263 412-783-7144
DAHLQUIST DRILLING INC PO Box 602 Bakersfield CA 93302 805-327-1275
DAMAC DRILLING INC PO Box 1164 Great Bend KS 67530 316-792-1353
D L DAVIS DRILLING CO PO Box 570 Mt Carmel IL 62863 618-262-7624
DAWN OILFIELD OPERATIONS LTD 2701 S Prospect Oklahoma City OK 73129 405-677-6601
DEAN DRILLING CO PO Box 327 Cherokee OK 73728 405-596-3509
DECCA DRILLING CO 700 American Tower Shreveport LA 71101 318-227-8342
DELTA DRILLING CO PO Box 2012 Tyler TX 75710 214-595-7700
DEVONIAN DRILLING CO 500 W Wilson Bridge Rd Ste 300 Worthington OH 43085 614-885-2268
DIAMOND M LAND DRLG PO Box 45858 Houston TX 77045 713-433-4551
DIATOM DRILLING CO PO Box 5004 Borger TX 79007-5004 806-273-3763
DIXILYN-FIELD DRILLING CO PO Box 4251 Houston TX 77210 713-877-8850
DIXON DRILLING CO PO Box 2773 Abilene TX 79604 915-676-8564
DOUGLAS DRILLING INC 805 T & P Lane Abilene TX 79602 915-676-5551
DRILCON INC 9099 Westheimer Ste 309 Houston TX 77063 713-780-8772
DRILLERS INC 5629 FM 1960 W Ste 202 Houston TX 77069 713-893-1020
DRILLTECH INC PO Box 31350 2 Northpark E Ste 800 Dallas TX 75231 214-369-6699 214-363-9705
DUAL DRILLING CO PO Box 240 Wichita Falls TX 76307 817-723-2127
DUKE DRILLING CO PO Box 823 Great Bend KS 67530 316-793-8366
DUNNE-GARDNER PETROLEUM INC 200 W Douglas Ste 250 Wichita KS 67202 316-265-1611
DURKEE DRILLING INC 2950 N Loop West Ste 1040 Houston TX 77092 713-957-1111

E

E & H DRILLING CO PO Box 1058 Graham TX 76046 817-549-0370
EAGLE DRILLING INC PO Box 8609 Wichita KS 67208 316-682-5513
EAGLE PRODUCTION & DRILLING SERV 3626 N Hall St Dallas TX 75219 214-521-0021
EARL & SONS DRILLING INC Box 3 Cedar Crest NM 87008 505-281-3880
EASON OIL CO Sub of ITT 2601 NW Expwy Oil Center East Ste 1100E Oklahoma City OK 73102 405-848-8711
EDCO DRILLING CO PO Box 645 El Dorado KS 67042 316-321-9285
EDSCO DRILLING CORP PO Box 591 Hays KS 67601 913-625-6086
EDWARDS WELL SERV 7001 Fruitvale Extension Bakersfield CA 93308 805-589-0111
ELENBURG EXPLORATION INC PO Box 1850 Hwy 2 W Havre MT 59501 406-265-5811
ELJAY DRILLING CORP 8955 Katy Fwy Ste 101 Houston TX 77024 713-932-6771
ELTEX DRILLING CONTRACTORS INC PO Box 4750 Victoria TX 77903 512-576-5281
ENERGY DRILLING CO PO Box 905 Natchez MS 39120 601-446-5259
ENERGY SEARCH DRILLING CO PO Box 190 Farmington NM 87401 505-326-1135
ENERGY SERVICES CORP 4273 Corporate Way Mt Pleasant MI 48858 517-773-4922
ENOPCO 12201 Merit Dr Ste 1100 Dallas TX 75251 214-387-2805
EQUITY DRILLING CO PO Box 369 Dewey OK 74029 918-534-1700
EXCELL DRILLING CO 4643 Wadsworth Blvd Wheatridge CO 80033 303-424-1711
EXETER DRILLING NORTHERN INC PO Box 17349 TA Denver CO 80217 303-861-0181
EXETER DRILLING SOUTHERN INC 144 Elk Place Ste 1502 New Orleans LA 70112 504-581-1496
EXPLORER DRILLING CO PO Box 53897 Lafayette LA 70505 318-988-2590

F

F & N DRILLING CO PO Box 6854 Odessa TX 79762 915-367-1028
F-W DRILLING CO 4350 S Treadaway Abilene TX 79602 915-695-2064
FWA DRILLING CO PO Box 419 Wichita Falls TX 76307 817-322-0761
FAIRMAN DRILLING CO PO Box 288 Dubois PA 15801 814-371-8410
FAITH DRILLING CO PO Box 7 Houston TX 77001 713-524-7411
FALCON DRILLING CO 1700 SE 22 Second Oklahoma City OK 73129 405-670-3161
JOHN O FARMER INC PO Box 352 Russell KS 67665 913-483-3144
FARNSWORTH & KAISER DRILLING CO 13 S Seneca Newcastle WY 82701 307-746-2591

F (Cont'd)

FAULK DRILLING CO PO Box 429 Breckenridge TX 76024 817-559-3744
FELDERHOFF BROS DRILLING CO PO Box 739 Gainesville TN 76240 817-665-0396
FINLEY OIL WELL SERVICE INC (See RDC/FINLEY)
FISCUS DRILLING CO Route 1 Box 572-A Big Spring TX 79720 915-393-5211
FISHER DRILLING CORP 10 E Third St Ste 520 Tulsa OK 74103 918-582-4457
FLOURNOY DRILLING CO PO Box 491 Alice TX 78332 512-668-8364
FOREX NEPTUNE AND/OR AFFILIATES 20 Ave Rapp BP 111 07 75326 Paris Cedex 07 France 555-95-34
FORWEST INC 910 16th St Ste 408 Denver CO 80202 303-573-1661
FOSSIL DRILLING CORP 4334 NW Expy Ste 121 Oklahoma City OK 73116 405-840-9255
FOUR CORNERS DRILLING CO PO Box 1067 Farmington NM 87401 505-327-0322
FRANCE DRILLING CORP 700 Travis Place Shreveport LA 71101 318-221-3434
FRANKLIN DRILLING INC PO Drawer 1237 Graham TX 76046 817-549-5661
FREEMAN DRILLING CO 251 N Water Ste 10 Wichita KS 67202 316-263-7049
FRIO DRILLING CO 1216 Guaranty Bank Plaza Corpus Christi TX 78475 512-883-8555

G

G-E DRILLING CO PO Box 3155 4401 Lilac St Victoria TX 77904 512-578-5245
GCO DRILLING CO PO Box 3134 Abilene TX 79604 915-673-4731
GABBERT-JONES INC 830 Sutton Place Wichita KS 67202 316-263-6209
GALLAGHER DRILLING INC PO Box 3046 Evansville IN 47730 812-425-8256
GALLOWAY DRILLING CO 340 Broadway Plaza Bldg 105 S Broadway Wichita KS 67202 316-263-1793
GARNETT DRILLING LTD 814-603 Seventh Ave SW Calgary Alberta T2P 2T5 Canada 403-262-7906
GARY DRILLING CO 7001 Fruitvale Extension Bakersfield CA 93308 805-589-0111
GEAR DRILLING CO 470 Denver Club Bldg Denver CO 80202 303-623-4422
GENERAL WELL SERV INC 118 E Main Box 308 Cut Bank MT 59427 406-873-5081
GIBSON DRILLING CO PO Box 1540 Kilgore TX 75662 214-984-5068
J W GIBSON WELL SERVICE CO 3025 S Parker Rd Ste 711 Aurora CO 80014 303-752-2527
GLASSCOCK DRILLING INC PO Box 51716 OCS Lafayette LA 70505 318-232-8620
GLENDEL DRILLING CO PO Box 765 Abbeville LA 70510 318-898-1637
GLOBE DRILLING CO 1212 The Peoples Plaza Tower Tyler TX 75702 214-593-0281
GOLD STAR DRILLING PO Box 1048 Cushing OK 74023 918-225-6188
GOLDEN STATE DRILLING INC 3312 Fruitvale Ave Bakersfield CA 93308 805-589-0730
GOLDRUS DRILLING CO PO Box 4394 Houston TX 77210 713-658-9271
GRACE-BOMAC DRILLING 10403 W Colfax Ste 700 Lakewood CO 80215 303-234-1444
GRACE/MILLER DRILLING Rte 5 Box 450 Fort Smith AR 72901 501-646-3481
GRACE/TRG DRILLING CO 3300 NE 60th St Oklahoma City OK 73121 405-478-4880
GRAND DRILLING 920 Hamilton Bldg Wichita Falls TX 76301 817-723-2422
GRAVES DRILLING CO 910 Union Center Wichita KS 67202 316-265-7233
GREAT SOUTHERN OIL & GAS CO PO Box 52707 Lafayette LA 70505 318-233-4400
GREEN DRILLING CO PO Box 667 Gillette WY 82716 307-686-1381
GREY WOLF DRILLING CO 2000 S Post Oak Rd Ste 1730 Houston TX 77056 713-626-1373
GUFFEY-SCHLENSKER DRILLING CORP PO Box 1330 Richardson TX 75080 214-231-8551
GUTHRIE McLAREN DRILLING LTD 14630 119th Ave Edmonton Alberta T5L 2P2 Canada 403-455-3191
GWALTNEY DRILLING CO PO Box 520 Washington IN 47501 812-254-5085

H

H & S DRILLING CO 320 S Boston Ste 2000 Tulsa OK 74103 918-587-8163
H S ENERGY/SENIOR DRILLING CO 9400 N Central Ste 407 Dallas TX 75231 214-363-7163
H-30 DRILLING INC 251 N Water Ste 10 Wichita KS 67202 316-263-2043
HACK DRILLING CO PO Box 5108 Abilene TX 79608 915-692-4111
HAMM DRILLING INC Box 17 One Perry Plaza Perry KS 66073 913-597-5111
HARKINS & CO PO Box 1940 Alice TX 78332 512-883-3022
HARPEL DRILLING CO PO Box 2811 Casper WY 82602 307-265-9193
HARPER-TURNER DRILLING 904 Hightower Bldg Oklahoma City OK 73130 403-232-3241
HARRIS DRILLING CO Box 99 Hwy 15 Grayville IL 62844 618-375-2211
HARRIS WELL SERVICE INC PO Drawer 949 Eunice LA 70535 318-457-3376
H F HATCHER & SON PO Box 167 Smackover AR 71762 501-725-2436
HEARTLAND DRILLING INC 600 One Main Place Wichita KS 67202-1399 316-265-9723
HELMERICH & PAYNE INTL DRILLING Utica at 21st St Tulsa OK 74114 918-742-5531
HELTER SKELTER DRILLING CORP PO Box 5745 Abilene TX 79605 915-695-3670
HEMPHILL CORP 4834 S 83rd E Ave Tulsa OK 74145 918-622-5133
HENLEY DRILLING CO 2900 First Natl Bank Bldg Ste 2420 Dallas TX 75202 214-749-0847
HERB EXPLORATION PO Box 1934 Abilene TX 79604 915-672-1291
HI TOWER DRILLING (See APOLLO DRILLING)
HICKMAN DRILLING CO PO Box 1467 Woodward OK 73801 405-256-8688
HIGHBRIDGE DRILLING CO 2113 9th St Wichita Falls KS 76301 817-723-1166
HILLIN DRILLING CO PO Box 152 Odessa TX 79760 915-563-3560
W B HINTON DRILLING CO 1805 N Jefferson St Mt Pleasant TX 72455 214-572-8777
HOLLIDAY DRILLING INC PO Box 3489 Midland TX 79702 915-697-2208
HONDO DRILLING CO PO Drawer 2516 Midland TX 79702 915-682-9401

H (Cont'd)

HONEYMON DRILLING CO (See SANTA FE DRILLING-MID CONTINENT)
HOUTECH DRILLING 8700 Commerce Park Dr Ste 150 Houston TX 77036 713-494-5151
HOWELL DRILLING INC 635 Milam Bldg San Antonio TX 78205 512-227-5283
LEONARD HUDSON DRILLING CO PO Box 1876 Pampa TX 79065 806-665-1816
HUGHES DRILLING CO Box 6001 Enid OK 73702 405-234-7222
HUNNICUTT CAMP DRILLING CO PO Box 399 Rio Vista CA 94571 707-374-2425
CLINT HURT & ASSOCIATES INC PO Box 1973 Midland TX 79702 915-683-6381
HUSKY DRILLING CO 555 N Woodlawn Ste 114 Wichita KS 67208 316-263-7904
HUSSAR DRILLING 1200 McFarlane Tower 700 Fourth Ave SW Calgary Alberta T2P 3J4 Canada 403-265-6982
HYLTON DRILLING CO 7700 Downing Rd Bakersfield CA 93308 805-589-2062

I

I X DRILLING CO PO Drawer 835 Stephenville TX 76401 817-965-7818
IBIS LTD 105 S Rusk Ste 216 Kilgore TX 75662 214-983-2538
INLAND WELL SERV INC PO Box 488 Abbeville LA 318-893-3486
INTERNATIONAL PETROLEUM SERV CO PO Box 547 Rte 6 N Sheffield PA 16347 814-968-3295
IRON DRILLING CO PO Box 3525 3201 S Van Buren Enid OK 73701 405-234-1292

J

J & C DRILLING CO PO Box 216 Refugio TX 78377 512-526-2376
J & W DRILLING CO Route 3 Gorman TX 76454 817-734-2665
J 3 DRILLING CO First City Bank Tower Corpus Christi TX 78477 512-881-9773
J W DRILLING CO 200 E First St Ste 500 Wichita KS 67202 316-263-5924
J-V DRILLING CO 4445 Commerce St Evansville IN 47710 812-424-3571
JFP WELL SERVICE INC 13231 Champion Forest Dr Ste 210 Houston TX 77069 713-893-4464
JHJ DRILLING CO 333 North Belt East Ste 620 Houston TX 77060 713-999-4980
JAY-BOY 1-SUNFLOWER DRLG PARTNERSHIP (See SUNFLOWER DRLG PARTNERSHIP)
JAY-LAN CORP 207 W 12th St Hays KS 67601 913-628-1316
JOHNN DRILLING CO PO Box 6189 Odessa TX 79762 915-563-1280
JOHNSON-BATES DRILLING CO PO Box 128 Konawa OK 74849 405-925-3256
JONES DRILLING CO PO Box 665 Albany TX 76430 915-762-3652
LOYD JONES DRILLING CO PO Box 816 Perryton TX 79070 806-435-6871
JONES DRILLING CORP PO Box 1185 Duncan OK 73533 405-255-1191
JUSTISS OIL CO PO Drawer N Jena LA 71342 318-992-4111

K

K B DRILLING CO PO Box 1848 Harve MT 59501 406-265-1407
K B DRILLING & PRODUCTION PO Box 1244 Taft CA 93268 805-765-5180
KANDRILCO INC Bldg 1 Ste 207 555 N Woodlawn Wichita KS 67208 316-681-1623
KANSAS DRILLING & WELL SERV INC 203 S Third Marion KS 66861 316-382-3734
KAY DRILLING CO PO Box 1622 Ponca City OK 74602 405-765-2406
KELLEY & KERR DRILLING CO 15119 Memorial Dr Ste 100 Houston TX 77079 713-870-8774
K L KELLOGG & SONS PO Box 7053 4220 Long Beach Blvd Long Beach CA 90807 213-422-1247
KENAI DRILLING OF NEW MEXICO INC PO Box 1636 Hobbs NM 88241-1636 505-392-7528
KENAI DRILLING OF TEXAS INC PO Box 6725 Odessa TX 79762 915-362-2323
KENAI DRILLING ROCKY MOUNTAIN INC PO Box 1198 Mills WY 82644 307-472-5122
KENAI DRILLING WEST COAST INC PO Box 2248 Orcutt CA 93454 805-928-1701
KENDALL DRILLING CO 3112 E Powell Evansville IN 47715 812-477-5535
KENTING DRILLING CO LTD One Denver Place Ste 1000 999-18th St Denver CO 80202 303-893-1383
KING DRILLING CO Route 1 Box 9 Canadian TX 79104 806-323-6664
KINGERY DRILLING CO PO Box 1588 Ardmore OK 73401 405-223-6823
I E KOCH DRILLING CO PO Box 581 Floresville TX 78114 512-393-6711

L

L & G DRILLING CO PO Box 35 Mt Pleasant MI 48858 517-772-3083
L & M DRILLING INC PO Box 647 Artesia NM 88210 505-748-2205
L & R DRILLING CO PO Box 936 Pierre SD 57501 605-224-8393
L D DRILLING CO PO Box 324 Great Bend KS 67530 316-793-3051
LLL DRILLING CO PO Box 188 Bloomfield NM 87413 505-632-8045
LA RUE DRILLING CO PO Box 202 Artesia NM 88210
LADRIDO DRILLING CO 4600 W Hwy 80 Midland TX 79703 915-694-2546
LAGERSEN DRILLING CO 302 Beck Bldg Shreveport LA 71101 318-227-9939
LANDIS DRILLING CO PO Box 3579 One Marienfeld Place Ste 350 Midland TX 79703 915-683-4151
LANDMARK ENERGY CORP PO Box 18595 7701 E Kellogg Ste 4 Wichita KS 67218 316-685-1402
LANEX DRILLING CO 4013 NW Expwy Oklahoma City OK 73116 405-840-5022
LEROY LANGE DRILLING CO 1102 Montana Big Lake TX 76932 915-465-4751
D R LAUCK OIL CO 221 S Broadway Ste 400 Wichita KS 67202 316-363-8267
LAYTON OIL CO PO Box 263 Independence KS 67301 316-331-1150
LEBEN DRILLING CO 105 S Broadway Ste 640 Wichita KS 67202-4260 316-264-2375
LEE DRILLING INC 4802 Derrick Dr Abilene TX 79601 915-677-3566
LEEMAN DRILLING CO 1400 Fifty Penn Place Oklahoma City OK 73118 405-842-1622

L (Cont'd)

DAN LESTER DRILLING CO PO Drawer N Jefferson TX 75657 214-665-2511
LIGHTNING DRILLING & CONSTR CO PO Box 1159 Henderson KY 42420 502-826-3968
LINC DRILLING CO 1355 Pennsylvania St Denver CO 80223 303-832-3383
LIN-MOUR DRILLING CORP 1411 13th St Wichita Falls TX 76301 817-322-8550
LITTLE-DEUTAG DRILLING INC PO Box 1509 2007 N Commerce Ardmore OK 73402 405-226-7620
LOFFLAND BROS CO PO Box 2847 Tulsa OK 74101 918-622-9330
LOGAN DRILLING CO PO Box 1622 Enid OK 73702 405-233-5048
LOHMANN DRILLING CO 18 NW 45th St Evansville IN 47708 812-428-4180
LORD DRILLING CO 14618 W Sixth Ave Golden CO 80401 303-279-2471
LOUISE DRILLING CO PO Box 272 Louise TX 77455 713-648-2641
LOWE DRILLING CO PO Box 1368 Albany TX 76430 915-762-2530
LUKE GRACE CO 710 Petroleum Bldg Wichita Falls TX 76301 817-723-2187
LYNX DRILLING CO PO Box 13300 Arlington TX 76013 817-261-4181

M

M G F DRILLING CO-HOUSTON 2626 Richmond Houston TX 77098 713-526-9236
M G F DRILLING CO-LAFAYETTE PO Box 938 Scott LA 70583 318-237-8161
M G F DRILLING CO-MIDLAND PO Box 370 Midland TX 79701 915-684-7121
M N D DRILLING CORP-NORTHERN DIV PO Box 248 Bridgeport TX 76026 817-683-5106
M N D DRILLING CORP-SOUTHERN DIV PO Box 109 Magnolia TX 77355 713-356-8280
MOXA DRILLING CO 106 W Eighth McCook NE 69001 308-345-2945
MAGEE-POOLE DRILLING CO PO Box 2000 Alice TX 78332 512-664-1891
MAGIC CIRCLE DRILLING CO 4141 Northwest Expwy Oklahoma City OK 73116 405-843-6654
R L MANNING CO 1700 Broadway Ste 2200 Denver CO 80290 303-839-1977
MAR-TAY DRILLING CO PO Box 1216 Drumright OK 74030 918-352-3802
MARION DRILLING & SERVICES CO PO Box 3027 Mobile AL 36652 205-626-3924
MARLIN DRILLING CO 1333 West Loop South Ste 780 Houston TX 77027 713-627-1161
MARLIN-WEST DRILLING CO 3025 Gibson St PO Box 551 Bakersfield CA 93302 805-327-8304
MATAGORDA MARINE DRILLING CO PO Box 10307 Corpus Christi TX 78410 512-289-1366 512-882-6071
MAXWELL DRILLING CO PO Box 1679 Bowie TX 76230 817-872-5455
MAXWELL HERRING DRILLING CORP PO Box 1297 Tyler TX 75710 214-593-1737
McALLISTER DRILLING INC 251 North Water Ste 10 Wichita KS 67202 316-263-6972
McBAY OIL & GAS INC PO Box 1085 Crockett TX 75835 713-544-5168
McCONNELL DRILLING CO 111 Frio St Lockhart TX 78644 512-398-2627
J W McCUTCHEN DRILLING CO 912 Oil & Gas Bldg Wichita Falls TX 76301 817-322-9231
McLACHLAN DRILLING CO PO Box 548 Evart MI 49631 616-734-2158
McLENNAN DRILLING CO PO Box 6 Nowata OK 74048 918-273-1265
McMURREY PETROLEUM INC PO Box 1899 Kilgore TX 75662 214-984-3578
McVAY DRILLING CO 308 Philtower Bldg Tulsa OK 74103 918-584-5472
MEGARGEL DRILLING CO PO Box 356 Megargel TX 76370 817-563-2311
MELLON DRILLING CO 133 W Concho Ste 103 San Angelo TX 76901 915-655-8951
MELTON DRILLING CO 7101 Downing Ave Bakersfield CA 93308 805-587-0521
MENDENHALL DRILLING CO PO Box 302 Lamont OK 74643 405-388-4444
MERCURY DRILLING CO 1701 SE 25th St Oklahoma City OK 73129 405-672-4441
MERIT DRILLING CO PO Box 79667 Houston TX 77079 713-493-1001
MESA DRILLERS PO Box 108 Lubbock TX 79408 806-794-3248
MESA DRILLING CO PO Box 1481 Abilene TX 79601 915-673-4787
MICHIGAN CONSOLIDATED GAS CO (See ENERGY SERVICES CORP)
MID-AMERICA DRILLING & EXPL INC PO Box 2515 Midland TX 79702 915-686-0134
MID ATLANTIC OIL CO DRILLING DIV PO Box 198 Belle Valley OH 43717 614-732-5674
MIDCO DRILLING INC 125 N Market Ste 1250 Wichita KS 67202 316-265-1808
MILLER CONTRACT DRILLING INC PO Box 478 Livingston TN 38570 615-823-6425
MILLER DRILLING CO Rte 5 Box 450 Fort Smith AR 72901 501-646-3481
MILLER EXPLORATION CORP PO Box 246 Allegan MI 49010 616-673-2117
MIN-TEX DRILLING CORP PO Box 1136 Mineral Wells TX 76067 817-325-9591
GEORGE N MITCHELL DRILLING CO PO Box 111 Airport Rd Carmi IL 62821 618-382-2343
MOLEN DRILLING CO PO Box 2222 Grand Bldg Ste 500 Billings MT 59103 406-252-2591
MONTEREY DRILLING CO 11 W Del Mar Ste 203 Pasadena CA 91105 213-792-4078
MONTGOMERY DRILLING CANADA LTD 960-700 Fourth Ave SW Calgary Alberta T2P 3J4 Canada 403-232-1644
MONTGOMERY DRILLING CO PO Box 2508 Bakersfield CA 93303 805-393-9620
MONTGOMERY MOUNTAIN DRILLING PO Box 1180 Mills WY 82644 307-472-3001
MORAN BROS INC PO Box 4502 Houston TX 77210 713-820-1865
MORAN DRILLING CORP PO Box 4502 Houston TX 77210 713-820-1865
E W MORAN DRILLING CO PO Box 7519 Wichita Falls TX 76307 817-322-7891
MORANCO PO Box 1860 Hobbs NM 88240 505-397-3511
MORRISON DRILLING & PRODUCING CO One Energy Square Ste 1-LB Abilene TX 79601 915-677-8523
MORROW DRILLING CO PO Box 4936 Odessa TX 79760 915-333-2875
MOSLEY WELL SERVICE INC PO Box 970 Minden LA 71055 318-377-2393
MURCO DRILLING CORP 1900 Beck Bldg Shreveport LA 71101 318-221-7373
MURFIN DRILLING CO 617 Union Center Bldg Wichita KS 67202 316-267-3241
MURLYNSON DRILLING CO PO Drawer 1826 Alice TX 78332 512-664-4540
PETE MURPHY DRILLING CO PO Drawer 1876 Alice TX 78332 512-664-3807
MUTUAL OF AMERICA INC PO Drawer 1446 Santa Fe NM 87501 505-982-5501

N

N R G DRILLING INC PO Box 1157 Liberal KS 67901 316-624-1818
NECK DRILLING CO Bin X Taft CA 93268 805-769-8811
NL WELL SERVICE PO Box 488 Abbeville LA 70510 318-893-3486
NABORS ALASKA DRILLING INC Anglo Energy Co 4796 Business Park Blvd Ste 1 Anchorage AK 99503 907-278-2511
NABORS DRILLING LTD 324 Eighth Ave SW 1107 Home Oil Tower Ste 1107 TD Square Calgary Alberta T2P 2Z2 Canada 403-263-6610
NAVAJO DRILLING CO PO Box 128 Konawa OK 74849 405-925-3241
NELSON DRILLING & WELL SERV 1325 American Tower Shreveport LA 71101 318-221-6890
NEW & HUGHES DRILLING CO PO Drawer 1487 Natchez MS 39120 601-442-1607
NEW JERSEY DRILLING CO Rte 206, Box 8 Netcong NJ 07857 201-347-2269
NEW PROSPECT DRILLING CO PO Box 729 Greenwood AR 72936 501-996-6791
NICKLOS DRILLING CO PO Box 752 Eunice LA 70535 318-457-6103
NICOR DRILLING CO 500 Reunion Center 9 E Fourth St Tulsa OK 74103 918-587-5507
NIXON DRILLING CO PO Box 632 201 S Laurel St Luling TX 78648 512-875-2416
NOBLE DRILLING CORP 1924 S Utica Ste 600 Tulsa OK 74104 918-749-9901
JAMES R NORMAN DRILLING CO Rte 8 Box 305 Clarksville TN 37040 615-645-4361
NORTHEAST DRILLING CO Rte 4 Box 38-A Enid OK 73701 405-234-6771
NORTON DRILLING CO 606 Lubbock National Bank Bldg Lubbock TX 79401 806-747-3324
A N NORWOOD INC PO Box 310 Midland TX 79702 915-683-3972
NOWOTNY & CONLEY DRILLING CORP 1700 Buckner Square Ste 200 Shreveport LA 71101 318-227-0442

O

O'NEAL DRILLING CO PO Box 4660 Fort Worth TX 76106 817-625-8246
ELMER OELZE JR RR 1 Box 148 Nashville IL 62263 618-327-3807
OILWELL DRILLING INC PO Box 983 Graham TX 76046 817-549-6960
E L OLIVER DRILLING CO PO Box 25103 Oklahoma City OK 73125-0103 405-677-2461
OLSEN DRILLING CO 1616 Glenarm Place Ste 1305 Denver CO 80202 303-893-2221
ORIGINALA DRILLING CO 956 S Main Jacksboro TX 76056 817-567-3991
OWEN DRILLING CO PO Box 861 Magnolia AR 71753 501-234-6300
JACK OWENS SERV CO 1626 Del Dayo Dr Carmichael CA 95608 916-485-8995

P

P E P DRILLING CO PO Box 824 123 S 10th Mt Vernon IL 62864 618-242-2205
PRC DRILLING CO PO Box 1121 Corpus Christi TX 78403 512-289-6763
PADRE DRILLING CO 2501 Suntide Rd Corpus Christi TX 79410 512-241-2871
PAR-CO DRILLING INC PO Box 873 Natchez MS 39120 601-442-6421
PARKER DRILLING CO 8 E Third St Tulsa OK 74103 918-585-8221
PEARL EXPLORATION INC PO Box 2179 Alice TX 78332 512-664-2605
PENRICK DRILLING CO 1080 Petroleum Tower Corpus Christi TX 78474 512-887-9396
PENROD DRILLING CO 1407 Main St Dallas TX 75202 214-880-1700
PETERS DRILLING INC PO Box 742 Great Bend KS 67530 316-793-6721
PICKRELL DRILLING CO 110 N Market Ste 205 Wichita KS 67202 316-262-8427
PILGRIM DRILLING CO PO Box 35588 6733 S Yale Ave Tulsa OK 74136 918-494-0944
PLOTNER DRILLING CO 8101 NW 10th St Oklahoma City OK 73127 405-787-7234
POOL OFFSHORE PO Box 4271 Houston TX 77210 713-780-4999
GENE PORTER DRILLING CO PO Box 389 Cushing OK 74023 918-225-1563
POWER RIG DRILLING CO PO Box 52808 Lafayette LA 70505 318-234-4525
POZOS INTERNATIONAL DRILLING SERVICES CO PO Box 3339 9 Pozos Lane Conroe TX 77305 713-756-4161
PRAIRIE DRILLING CO 3333 Quebec Ste 10F Denver CO 80207 303-388-0909
PRECISION EXPL CO PO Box 278 Olney IL 62450 618-395-8148
J A PRICE & CO PO Box 4435 Odessa TX 79760 915-563-3139
T D PROVINS DRILLING CO PO Box 642 2113 Enterprise Dr Mt Pleasant MI 48858 517-773-6946
PRUET-RAM CO PO Box 31 El Dorado AR 71730 501-863-3612
PULLIAM DRILLING CO PO Box 1104 Woodward OK 73801 405-256-4000
PYRAMID OIL WELL SERV PO Box 3225 Santa Fe Springs CA 90670 213-944-6703

Q

QUANZA DRILLING INC 3824 N Meridian Ste 110 Oklahoma City OK 73112 405-942-7900
QUARLES DRILLING CO 2-3-4 Loyola Bldg Ste 505 New Orleans LA 70112 504-392-4191
QUARLES DRILLING CORP 7633 E 63rd Place Ste 500 Tulsa OK 74133 918-250-0515
QUINTEX DRILLING CO 1647 E Third St Tulsa OK 74120 918-587-7623

R

R R A INC 510 Hardage Center Wichita KS 67202 316-262-3411
R RIGS INC PO Box 99 Quinlan TX 75474 214-563-6771
R W I T DRILLING CO PO Box 551 324 W Main Holdenville OK 74848 405-379-5491
RDC/FINLEY PO Box 7296 Long Beach CA 90807 213-595-4505
ROKK DRILLING CO PO Box 207 Homer LA 71040 318-927-9658
RAINBOW DRILLING CO PO Box 1779 1108 N Kilgore St Kilgore TX 75662 214-984-5095
RAINS & WILLIAMSON OIL CO PO Box 911 Hays KS 67601 913-735-2215
RAM DRILLING CO PO Box 118 Browns IL 62818 618-446-5117
RANGE DRILLING CO 240 Page Ct 220 W Douglas Wichita KS 67202 316-265-6231
RAPAD DRILLING CO PO Box 31 El Dorado AR 71730 501-863-7196
RATLIFF DRILLING CO PO Box 988 Duncan OK 73533 405-255-2916
RAY RESOURCES CORP PO Box 203 Culloden WV 25510 304-743-9067
REBEL DRILLING CO PO Box 1151 Natchez MS 39120 601-446-7831
RED RIDER DRILLING CO (See R RIGS INC)
RED TIGER DRILLING CO 1720 Kansas State Bank Bldg Wichita KS 76202 316-263-2371
REMCO DRILLING 3000 E Hwy 80 Haughton LA 71037 318-949-4103
REPCO INC PO Box 325 Duncan OK 73533 405-252-3005
REPUBLIC DRILLING & SERV INC PO Box 73448 Dept F-284 Houston TX 77273 713-877-6777
REPUBLIC DRILLING CO (See RDC/FINLEY)
RESOURCE DRILLING INC PO Box 4341 Houston TX 77210 713-871-8550
RICHARDS-ARMSTRONG INC PO Box 1149 Bay City TX 77414 713-245-8389
RICHARDS DRILLING ASSOCIATES PO Box 1149 Bay City TX 77414 713-245-8389
RICHARDS DRILLING CO PO Box 1149 Bay City TX 77414 713-245-8389
RICHARDS DRILLING LTD II PO Box 1149 Bay City TX 77414 713-245-8389
RILEY DRILLING CO 907 Scurry Big Spring TX 79720 915-394-4454
RINE DRILLING CO 300 W Douglas Ste 600 Wichita KS 67202 316-267-1333
RIO COLORADO DRILLING CO 330 North Belt E Ste 100 Houston TX 77060 713-445-2231
RIO GRANDE DRILLING CO 2300 Tower Life Bldg San Antonio TX 78205 512-224-4572
ROBERSON DRILLING CO PO Box 1966 Ardmore OK 73402-1966 405-223-1277
ROBINSON BROS DRILLING CO 1413 25th St Woodward OK 73801 405-254-3361
ROBINSON DRILLING OF TEXAS PO Box 311 Big Spring TX 79720 915-267-5277
ROCKHOLD ENGINEERING INC PO Box 698 Great Bend KS 67530 316-729-2506
ROCKWELL DRILLING CO PO Box 993 400 W Fifth St Holdenville OK 74848
ROCKY MOUNTAIN DRILLING CO 10333 Southport Rd SW #415 Calgary Alberta T2W 3X6 Canada 403-259-6767
ROD RIC CORP PO Box 10847 Midland TX 79702 915-682-7890
J B RODEN DRILLING CO PO Box 880 Mills WY 82644 307-266-6552
ROSAMOND DRILLING CO PO Box 7656 Monroe LA 71203 318-323-7736
ROTARY DRILLING INC PO Box 5457 Tyler TX 75711 214-592-8174
ROWAN DRILLING-US 1900 Post Oak Tower Bldg 5051 Westheimer Houston TX 77056 713-621-7800
ROYAL DRILLING INC PO Box 1971 Ada OK 74820 405-332-1426
ROYCO DRILLING CO PO Box 681 Owensboro KY 42301 502-685-3687

S

S & T DRILLING NORTHERN LTD 24 NE 53rd Oklahoma City OK 73105 405-495-8044
SEE LAND DRILLING CORP PO Box 311 Magnolia MS 39652 601-249-3060
SH & J DRILLING CORP PO Drawer 888 Magnolia AR 71753 501-234-4600
SABRE DRILLING CO Div TRG Drilling Corp PO Box 1150 Cushing OK 74023 918-225-3502
SABRE INC 1215 24th St W #220 Billings MT 59102 406-656-0730
SAFARI DRILLING CORP PO Box 3236 Abilene TX 79604 915-677-2826
SAGE DRILLING CO 202 S St Francis Wichita KS 67202 316-263-6139
SAN PATRICIO CORP PO Box 966 Corpus Christi TX 78403 512-883-5241
SANDERS DRILLING CO PO Box 1086 New Iberia LA 70560 318-364-1537
SANDIA DRILLING CO 2500 Broadway Bldg Edmond OK 73034 405-340-0210
SANTA FE DRILLING CO PO Box 1401 Orange CA 92669 714-558-1300
SANTA FE DRILLING CO (MID-CONTINENT) PO Box 74506 4300 Highline Blvd Ste 356 Oklahoma City OK 73147 405-947-2319
SANTA FE DRILLING CO (WESTERN) PO Box 992 Odessa TX 79760 915-367-4181
SAWYER DRILLING & SERV INC 1300 American Tower Shreveport LA 71101 318-227-8150
SCANDINAVIAN MONTGOMERY DRILLING PO Box 2508 Bakersfield CA 93303 805-327-5736
SCHLENSKER DRILLING CORP PO Box 1330 Richardson TX 75080 214-231-8551
DON SCOTT DRILLING CO PO Box 177 Jonesville MI 49250 517-849-9237
JERRY SCOTT DRILLING CO PO Box 1488 319 N Harvey Rd Seminole OK 74868 405-382-2202
SEALY & CO 533 Castano San Antonio TX 78209 512-826-4520
SEARCH DRILLING CO 1900 First Oklahoma Tower 210 W Park Ave Oklahoma City OK 73102 405-236-5550
SENECA DRILLING CO 100 NW 63rd St Oklahoma City OK 73116 405-848-3388
SERVICE DRILLING CO Fourth Nat'l Bank Bldg Ste 1800 Tulsa OK 74119 918-582-9141
SERVICE DRILLING CO PO Box 5320 Borger TX 79007-5320 806-273-7573
SHARP DRILLING CO PO Box 1271 Midland TX 79702 915-683-3384
SHELBY DRILLING 5350 S Roslyn Ste 300 Englewood CO 80111 303-740-2200
R H SHELDON & SON INC 13213 TR 50 Dunkirk OH 45836 419-759-2351
SHIELDS DRILLING CO PO Box 709 Russell KS 67665 913-483-3141
SHULER DRILLING CO 3514 W Hillsboro El Dorado AR 71730 501-863-7234

S (Cont'd)

SIGNAL OILFIELD SERVICE INC 1616 Glenarm Place Ste 1200 Denver CO 80202 303-629-1050
SILVERADO DRILLING CO PO Box 911 Hays KS 67601 913-735-2215
SIMMONS DRILLING LTD 524 550 Sixth Ave SW Calgary Alberta T2P 0S2 Canada 403-263-7686
SITTON DRILLING CO 503 Lubbock National Bank Bldg Lubbock TX 79401 806-763-4442
SLAWSON DRILLING CO 200 Douglas Bldg Wichita KS 67207 316-263-3201
D SLEDGE DRILLING CORP First National Bank Ste 2301 Midland TX 79701 915-683-5261
SLOAN DRILLING CO 2825 E Skelly Dr Ste 827 Tulsa OK 74105 918-745-6570
SMART DRILLING CO 7060 S Yale Tulsa OK 74136 918-494-8725
SMITH & STOVALL DRILLING CO-OP PO Box 948 Elk City OK 73648 405-225-4455
SMITH BROTHERS DRILLING CO 5208 W Reno Ste 250 Oklahoma City OK 73127 405-947-6700
SMITH DRILLING CO PO Box 150 Rte 1 S Lawrenceville IL 62439 618-943-2342
CARL E SMITH PETROLEUM INC PO Box 4 Sandyville WV 25275-0004 304-273-9313
SNYDER DRILLING WELL SERV CO PO Box E Hwy 1 S Grayville IL 62844 618-375-2491
SOAPE DRILLING CO PO Box 1284 Billings MT 59103 406-252-1341
SOJOURNER DRILLING CORP PO Box 3234 Abilene TX 79604 915-672-2832
SOUTH TEXAS DRILLING CO 2211 NE Loop 410 Ste 100 San Antonio TX 78205 512-654-4085
SOUTHLAND DRILLING CO Rte 5 Box 121 Victoria TX 77901 512-578-3531
SPARTAN DRILLING INC PO Drawer 3759 Bryan TX 77805 713-775-7071
SPUR DRILLING INC 1100 NE Loop 410, Ste 438 San Antonio TX 78209 512-822-2649
STAHLCO DRILLING CO PO Box 2231 1013 W Eighth Amarillo TX 79105 806-376-5038
STERLING DRILLING CO 230 N Fourth St Sterling KS 67579 316-278-2131
STERLING DRILLING CO PO Drawer 3068 Midland TX 79702 915-685-3054
STEWART BROTHERS DRILLING CO PO Box 2067 Grants NM 87020 505-287-2986
STOEPPELWERTH DRILLING INC 1111 E "H" St McCook NE 69001 308-345-1766
M L STONE DRILLING CO PO Box 299 Saratoga TX 77585 713-833-2287
STRATA DRILLING INC PO Box 355 Great Bend KS 67530 316-793-7971
SUMPTER & BARKER DRILLING CO PO Box 1081 Stillwater OK 74076 405-372-4063
SUNDOWN DRILLING CO 1800 NE Loop 410 Ste 208 San Antonio TX 78217 512-822-2050
SUNFLOWER DRILLING PARTNERSHIP 100 S Main St Ste 210 Wichita KS 67202 316-262-0742
SWEETMAN DRILLING INC 410 One Main Place Wichita KS 67202 316-265-5561

T

T E K DRILLING CO 1224 Josey Lane Ste B Carrollton TX 75006 214-242-8314, 6402
T O T DRILLING CORP 5718 Andrews Hwy Odessa TX 79762 915-367-7361
T R G DRILLING CORP MID CONTINENT DIV (See GRACE/TRG DRILLING CO)
T-L DRILLING CO 414 W Phillips Ste 137 Conroe TX 77301 713-273-1480
TMBR DRILLING INC PO Drawer 10970 Midland TX 79702 915-563-1927
TWT EXPLORATION INC PO Box 1329 Park City UT 84060 801-649-8212
TAHOE DRILLING CO 4402 W Industrial Midland TX 79703 915-697-4173
TAYLOR DRILLING CO PO Box 597 Chehalis WA 98532 206-748-3445
TESORO DRILLING CO PO Drawer 2909 Laurel MS 39440 601-425-1481
TEXAS DRILLING CO PO Box 240 Abilene TX 79604 915-673-5024
TEXLAND DRILLING CORP (See D B DRILLING CORP)
TEXZONA DRILLING CO 21 Windmill Circle PO Box 6127 Abilene TX 79608 915-695-4963
THEISS DRILLING CO 1331 Oakhurst Wichita Falls TX 76302 817-766-0763
THOMAS DRILLING CO PO Box 400 Duncan OK 73533 405-252-5580
THOMPSON DRILLING CO 4 Corporate Dr Ste 102 Newport Beach CA 92660-7988 714-644-9292
THUNDERBOLT DRILLING INC PO Box 129 Winnsboro TX 75494 214-342-5221
TIERRA DRILLING CORP PO Box 3469 CPI Bldg Midland TX 79702 915-694-9553
TITAN DRILLING 7257 S Tucson Way Ste 110 Englewood CO 80112 303-694-2990 303-688-0602
TOLTEK DRILLING CO 340 Denver Club Bldg Denver CO 80202 303-571-1331
TOP DRILLING INC 1000 W Wilshire Oklahoma City OK 73116 405-521-9737
TRAFALGAR DRILLING CO PO Box 4396 Midland TX 79704 915-699-7067
TRANS-PAC DRILLING INC 600 One Main Place Wichita KS 67202-1399 316-265-0226
TRANSCONTINENTAL DRILLING INC DENVER DIV Anaconda Tower Ste 2700 Denver CO 80220 303-571-4800
TRANSCONTINENTAL DRILLING INC JACKSON DIV Jackson MS 39211
TRANSCONTINENTAL DRILLING INC MAGNOLIA DIV Magnolia AR 71753 501-234-5011
TRANSCONTINENTAL DRILLING INC SAN ANGELO DIV 3184 Executive Dr San Angelo TX 76903 915-653-3324
TRANSCONTINENTAL DRILLING INC SHREVEPORT DIV Shreveport LA 71101
TREND DRILLING CO PO Box 3310 Enid OK 73702 405-233-7838
TRI-J DRILLING CO PO Box 5338 Abilene TX 79605 915-698-8026
TRI-LAND DRILLING CO PO Box 18605 Oklahoma City OK 73154 405-528-1463
TRI-SERVICE DRILLING CO PO Drawer 70 Midland TX 79702 915-684-6641
TRIAD DRILLING Div UGI Development Co Grand Centre Bldg Ste 310 5400 N Grand Blvd Oklahoma City OK 73112
TRICON/B-E DRILLING CO Rte 5 Box 315 Longview TX 75601 214-758-5406
TRIDENT DRILLING INC 2701 Paton Way Bakersfield CA 93308 805-589-2012
TRIGG DRILLING CO PO Box 18605 Oklahoma City OK 73154 405-528-4456
TRUE DRILLING CO PO Drawer 2360 Casper WY 82602 307-237-9301
TUCKER DRILLING CO PO Box 1876 San Angelo TX 76901 915-655-6773
TWIN ARROW INC Box 948 Rangely CO 81648 303-675-8226

U

U R C DRILLING CORP 4141 Northwest Expy Oklahoma City OK 73116 405-842-1039
UNDERWATER GAS DEVELOPERS LTD PO Box 428 Port Colborne Ontario L3K 1B7 Canada 416-894-1731
UNDERWOOD OIL WELL SERV INC 731 Lakeshore Dr Monroe LA 71203 318-343-2665
UNION DRILLING INC PO Drawer 40 Buckhannon WV 26201 304-472-4610
UNIT DRILLING & EXPL CO 1101 Petroleum Club Bldg Tulsa OK 74119 918-582-9595
UNITED DRILLING DIV BALTIC DRILLING (TX) INC Rte 1 Box 294 Hwy 155 N Tyler TX 75708 214-877-3411

V

VAUGHN GOOD DRILLING INC PO Box 3744 Enid OK 73702 405-233-3899
VECO DRILLING INC PO Box 1705 2457 Industrial Blvd Grand Junction CO 81501 303-242-6912
VENTURE DRILLING CO PO Box 1353 848 E Main Cushing OK 74023 918-225-3269
VERNA CORP PO Box 6485 Midland TX 79701 915-563-4856
VI-ROI DRILLING CO PO Box 1624 Duncan OK 73533 405-255-9750
VIERSEN & COCHRAN DRILLING CO PO Box 19227 Oklahoma City OK 73144 405-681-6611
VISION DRILLING INC PO Box 2405 3506 W County Rd Hobbs NM 88240 505-392-3511
VISTA DRILLING CO 700 American Tower Shreveport LA 71101 318-227-8342

W

W E K DRILLING CO PO Box 1498 Roswell NM 88201 505-623-5070
W E S CORP PO Box 1329 Park City UT 84060 801-640-8212
W W CORP 220 N Main St Madisonville KY 42431 502-821-0087
EARL F WAKEFIELD INC 300 W Douglas Ste 500 Wichita KS 67202 316-264-2366
WARREN INTERSTATE DRILLING CO 906 Utica Tower Tulsa OK 74104 918-749-8361
WARRIOR DRILLING CO 5801 N Broadway Ste 200 Oklahoma City OK 73118 405-840-1783
WARTON DRILLING CO 8801 W County Rd Odessa TX 79762 915-362-0251
WEAL DRILLING CO PO Box 249 Hanson KY 42413-0249 502-322-3302
WELSH DRILLING & SERV INC (See DIAMOND M LAND DRLG)
WES-MOR DRILLING INC PO Box 1169 Graham TX 76046 817-549-3383
WES-TEX DRILLING CO PO Box 3739 Abilene TX 79604 915-677-9121
WESTBURNE DRILLING INC PO Box 13079 999-18th St #1860 Denver CO 80201 303-623-8800
WESTBURNE DRILLING CANADA LTD 200 535 Seventh Ave SW Calgary Alberta T2B 0Y4 Canada 403-233-6600
WESTERN WELL DRILLING INC 11299 Brighton Rd Henderson CO 80640 303-288-2247
WESTWIND DRILLING CO 1675 Broadway Ste 2260 Denver CO 80202
WHEATSTATE OILFIELD SERVICES INC PO Box 329 Pratt KS 67124 316-672-7514
WHELESS DRILLING CO 920 Commercial National Bank Bldg Shreveport LA 71101 318-222-3137
WHITE & ELLIS DRILLING INC 401 E Douglas Ste 500 Wichita KS 67202 316-263-1102
E E WHITEHEAD DRILLING CONTR PO Box 1255 Drumright OK 74030 918-352-2230
WILCOX DRILLERS INC PO Box F F Natchez MS 39120 601-446-5021
WILLBROS DRILLING INC PO Box 10727 Midland TX 79702 915-563-0221
WILLIAMS DRILLING CO 1300 Main St Ste 1530 Houston TX 77002 713-652-9106
WILLIAMS DRILLING CO OF SOUTH TEXAS PO Drawer 3050 Alice TX 78332 512-668-9867
WILLIS DRILLING CO PO Box 479 Edinburg TX 78539 512-383-3888
WILSON BROS DRILLING CO PO Drawer 53628 217 E Kaliste Saloom Rd Lafayette LA 70505 318-233-5950
LES WILSON INC PO Box 331 Carmi IL 62821 618-382-5091
WINTER DRILLING & EXPLORATION CO Rte 1 Box 11-A Nowata OK 74048 918-273-1874
WOOLF & MAGEE INC PO Box 6566 Tyler TX 75711 214-561-4051
WYOMING WELL SERV INC PO Box 340 Cody WY 82414 307-587-4249

Y

YOUNG DRILLING CO PO Box 717 Bloomfield Hwy Farmington NM 87401 505-327-5218

Z

ZENITH DRILLING CORP Fourth Financial Center Ste 505 Wichita KS 67202 316-265-5697

U.S. Contract Rotary Land Drilling Rigs

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ALABAMA						
CHAMBERS						
Miller Contract Drlg	23	dsl		Ingersoll T4	400	2,800
CHOCTAW						
Murco Drlg	14	dsl-acr	3200	GAR-DEN 1500	2800	25,000
Tesoro Drlg	5		2000	NATL 80B	1650	15,000
CLARK						
Penrod Drlg	106	dsl	1575	NATL 80B	1760	15,000
ESCAMBIA						
Bay Drlg	2	dsl	2500	NATL 110M	2500	20,000
Exeter Drlg Southern	27	dsl	2800	GAR-DEN 1500	2800	25,000
Marion Drlg	7	dsl	2400	EMSCO C1	2400	20,000
Penrod Drlg	19	dsl	2800	NATL 1320M	3425	25,000
	15	dsl	3000	GAR-DEN 2100	2200	30,000
FAYETTE						
Lohmann Drlg	9	dsl	300	NATL T12	300	3,500
SEE Land Drlg	2	dsl	720	UNIT 15	300	4,000
LAMAR						
Apollo Drlg Inc	1	dsl	500	NATL 370	550	10,500
MOBILE						
Helmerich & Payne Intl Drlg	71	dsl	1830	NATL 1320M	1830	23,000
Nicor Drlg	79	dsl-mech	2000	WILSON Titan	1350	14,000
Noble Drlg	25	dsl	3300	NATL 1625DE	3135	30,000
Penrod Drlg	7	dsl	3425	NATL 1625M-6	2200	30,000
	9	dsl	2600	NATL 1320M	3425	25,000
	6	dsl	3425	NATL 1625M-6	2200	30,000
Rapad Drlg	3	dsl-elec	4000	GAR-DEN 1500E	2000	25,000
MONROE						
Chesley Pruet Drlg	14	dsl	3600	GAR-DEN 1500M	3600	25,000
Exeter Drlg Southern	26	dsl	2500	95 BRWSTR	2500	17,500
Nicor Drlg	77	dsl-mech	2300	NATL 100	750	16,000
PICKENS						
Lohmann Drlg	8	dsl	300	NATL 32	550	7,500
SHELBY						
Delta Drlg	86	dsl-elec	2600	EMSCO Electrohoist II	3456	18,000
SUMTER						
Raped Drlg	2	dsl	1800	EMSCO GB500	1200	14,000
ALASKA						
UNDESIGNATED						
Alaska United Drlg	1	dsl-elec	2000	OILWELL 840E	1500	18,000
ANCHORAGE						
Arctic Alaska Drlg	7	dsl-elec	3400	OILWELL E2000	2000	25,000
Nabors Alaska Drlg	28-E	dsl-elec	2000	EMSCO Electrohoist IIC	3700	25,000
Parker Drlg	122	dsl	1800	OIME SL1500	1800	18,000
NORTH SLOPE						
Alaska United Drlg	2	dsl-elec	3200	OILWELL 2000	2000	20,000
	WWS-1	dsl-elec	1000	OILWELL 700E	700	10,000
	3	dsl-elec	3200	OILWELL 2000E	2000	20,000
Arctic Alaska Drlg	5	dsl-elec	3400	OILWELL E2000	2000	25,000
	6	dsl-elec	3400	OILWELL E2000	2000	25,000
	4	dsl-elec	3400	OILWELL E2000	2000	25,000
Nabors Alaska Drlg	27-E	dsl-elec	3200	EMSCO Electrohoist	4000	25,000
	22-E	dsl-elec	3200	EMSCO IIC Electrohoist	3200	25,000
	17	dsl	2000	OILWELL 860	2475	19,000
	25	dsl	2000	NATL 110	2475	20,000
	18-E	dsl-elec	2000	EMSCO Electrohoist	3200	25,000
	1-ES	dsl-elec	500	EMSCO Electrohoist CII	2400	20,000
	26-E	dsl-elec	3200	EMSCO Electrohoist	4000	25,000
Parker Drlg	135	dsl	1400	OIME TBA2000	1400	15,000
	147	dsl	1400	OIME TBA2000	1400	15,000
	176	elec	3200	OIME 2000E	2000	20,000
	141	dsl	1800	OIME TBA2000	1800	18,000
	191	dsl	3200	OIME 3000E	3000	20,000
	128	dsl	1400	OIME TBA2000	1400	15,000
	123	dsl	1800	OIME SL1500	1800	18,000
	95	dsl	2600	NATL 130	3000	18,000
	97	dsl	1400	NATL 80B	1400	15,000
	96	dsl	2600	NATL 130	3000	20,000
ALASKA (Cont'd)						
NORTH SLOPE (Cont'd)						
Rowan Drlg US	34	dsl-elec	2000	NATL 110EH Special	3000	17,000
	35	dsl-elec	2000	NATL 110EH Special	3000	17,000
	26	dsl	2000	NATL 110	1590	18,000
	41	dsl	3200	NATL 1320UE	3300	25,000
SWANSON RIVER						
Rowan Drlg US	29	dsl	1850	NATL 110	2400	20,000
ARIZONA						
COCONINO						
Stewart Bros Drlg	51	dsl	324	Failing 2500	324	3,000
	45	dsl	324	Failing 2500	324	3,000
MOJAVE						
Brinkerhoff-Signal	9	dsl	550	BRWSTR N45	600	7,500
PINAL						
Morrow Drlg	1	dsl	1360	CABOT/FRANKS 1287	350	4,000
ARKANSAS						
UNDESIGNATED						
Shuler Drlg	6	dsl	600	WILSON Giant	600	8,000
	8	dsl	450	Spencer 7000	400	7,000/4"
	5	dsl	325	BETH	350	5,000/3.5"
	7	dsl		Spencer	600	6,000/4"
COLOMBIA						
Nicor Drlg	58	dsl	1100	M-CSCO U15	700	12,000
COLUMBIA						
Butler-Johnson	[illegible]	dsl	1900	BRWSTR N85	1900	15,000
Justiss Oil	9	dsl	800	EMSCO GC500	1200	12,500
Nowotny & Conley Drlg	2	dsl	2000	OIME SL-1000	1200	15,000
	3	dsl	1600	BRWSTR N46	900	13,000
SH & J Drlg	1	dsl	807	Crdwll O	800	10,000
	2	gas-btne	885	BRWSTR N7	750	9,500
	3	dsl	807	UNIT 34	350	7,300
Transcontinental Drlg-Magnolia	54	dsl	800	NATL 50A	980	10,000
	7	dsl	1020	OILWELL 76	1020	12,500
Verna Corp	21	dsl	550	M-CSCO	600	10,000
CRAWFORD						
Dual Drlg	6	dsl	600	EMSCO GB350	560	7,500
FAULKNER						
Miller Drlg	104	gas	450	NATL 50	450	8,000
FORT SMITH						
Lanex Drlg	C-9	dsl-acr	1600	BDW 650	650	12,000
FRANKLIN						
Miller Drlg	5	gas	300	Spencer	145	5,500
	121	gas		Spencer 7000		8,000
HOT SPRINGS						
Henley Drlg	1	dsl	1725	OIME SL1000	1725	14,000
JOHNSON						
Miller Drlg	120	gas		Spencer 7000		8,000
LAFAYETTE						
Layton Oil	8	dsl	450	Cooper	300	6,500
Owen Drlg	7	dsl	1100	IDECO H35	504	7,000
Sawyer Drlg & Serv	5	dsl	1500	BRWSTR N75	1500	13,000
	1	dsl	700	BRWSTR N7	700	11,000
LOGAN						
C E C Drlg	1	dsl	1100	UNIT U15	800	10,000
FWA Drlg	6	dsl	900	WILSON 75	720	10,000
Henley Drlg	3	dsl	2475	BRWSTR N12A	2475	25,000
MILLER						
Transcontinental-Magnolia	4	gas	700	EMSCO GB500	700	9,500
NEVADA						
Sawyer Drlg & Serv	2	dsl	400	BRWSTR N4	400	8,500
POPE						
C E C Drlg	3	dsl	1200	GAR-DEN 500	800	12,000
FWA Drlg	31	dsl	1000	WILSON Mogul 42	750	7,500

ARKANSAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
POPE (Cont'd)						
Miller Drlg	7	gas	450	UNIT 15	450	8,500
	16	gas	300	Spencer 7000	380	7,500
	1	gas	450	NATL 50	450	7,000
Unit Drlg & Expl	6	dsl	600	UNIT U15	800	11,000
SCOTT						
Miller Drlg	117	dsl	1000	OIME SL7	1500	20,000
	14	dsl	600	NATL 50	600	10,000
SEBASTIAN						
Alexander Drlg	3	dsl	1000	EMSCO J1100	1200	15,000
Astro Drlg	22	dsl	920	BETH M58	920	12,000
	23	dsl	1050	CABOT/FRANKS 2550	1040	15,000
Basin Drlg	1	dsl	600	GAR-DEN 500M	820	10,000
	3	dsl	500	GAR-DEN 500M	820	10,000
Grace/Miller Drlg	123	dsl		BDW 800		15,000
Miller Drlg	15	dsl	600	Spencer	600	8,500
	118	dsl	300	M-CSCO U34	350	7,000
	12	dsl	350	Spencer 6000	300	6,000
	119	dsl		BDW 650		12,000
	3	gas	600	NATL 50	600	10,000
New Prospect Drlg	1	dsl	950	BRWSTR N46	950	12,000
Tierra Drlg	18	dsl-elec	800	BDW 650	650	12,000
UNION						
Hatcher & Son, H F	3	dsl	425	WILSON Mogul 42	350	5,000
Shuler Drlg	4	dsl	600	EMSCO GB350	600	8,000
	1	dsl	300	Spencer	325	5,000/3.5"

CALIFORNIA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Montgomery Drlg Canada	43	elec-scr	2000	NATL 110UE	2000	20,000
BAKERSFIELD						
Barnes Core Drlg	711-D	dsl	750	HOWARD-TURNER 5500	450	5,500
BUTTE						
Atlantic Oil	12	dsl	850	NATL 50A	680	9,000
COLUSA						
Hunnicutt Camp Drlg	4	dsl	1400	OILWELL 66	640	11,000
Loffland Bros	232	dsl	1000	M-CSCO U15	1000	12,000
CONTRA COSTA						
Hunnicutt Camp Drlg	5	dsl	960	IDECO 525	480	9,000
FRESNO						
Gary Drlg	D-4	dsl	475	EMSCO GB160T	450	4,500
Golden State Drlg	D-6	dsl	750	Custom Howard-Turner	450	5,500
IMPERIAL						
Coastal Drlg	7	dsl	2000	EMSCO J750	825	10,500
Montgomery Drlg	4	dsl	2000	OILWELL 96	1500	18,000
Trident Drlg	6	dsl	2000	NATL 110UE	1600	18,000
INYO						
California Prod Serv	M-70	dsl	446	IDECO H35CKD	424	4,000
KERN						
Atlantic Oil	8	dsl	1020	NATL T32	370	7,500
	10	dsl	1020	NATL T32	370	7,500
	4	dsl	900	NATL 55	900	10,000
Bawden Drlg, Peter (CA)	10	dsl-elec	2300	OILWELL 940E	1500	18,000
	11	dsl-elec	1600	EMSCO A800WE	1000	12,000
California Prod Serv	M-17	dsl	300	Crdwll K200C	308	4,000
Cardinal Drlg	20	dsl	800	EMSCO GA500	1200	10,000
	27	dsl	1200	EMSCO GC500	1200	12,500
Cleveland Drlg	1	dsl	1200	OILWELL 96	1200	18,000
	2	dsl	600	BRWSTR RR400	450	5,000
	3	dsl	1200	NATL 75CA	800	12,000
	4	dsl	2400	IDECO Super 711E	1600	18,000
Coastal Drlg	1	dsl	550	Crdwll KM250	250	5,500
	2	dsl	900	OILWELL 52T	550	7,500
Dahlquist Drlg	1	dsl	300	Tomson 3000	250	2,500
	5	dsl	300	Failing 2000	160	1,600
Edwards Well Serv	D30	dsl		IDECO	300	
Gary Drlg	D-11	dsl	600	EMSCO C50	600	8,000
	D-2	dsl	800	NATL T45	800	9,000
	D-9	dsl	628	CABOT/FRANKS	400	5,500
	D-10	dsl	628	Hooper	400	5,500
	D-12	dsl	382	EMSCO GB160T	300	4,500
	15	dsl	800	Gary	640	9,000
	D-30	dsl	300	IDECO 35		
	D-13	dsl	450	EMSCO GB16T	300	4,000
	14	dsl	800	Gary	640	9,000
	D-3	dsl	628	EMSCO G350	600	8,000
	D-7	dsl	381	Gary	200	2,000
	D-8	dsl	450	EMSCO GB160T	400	4,500
	D-5	dsl	382	Hopper GT34	300	2,500
	1	dsl	450	Hopper	400	5,000
	D-6	dsl	600	EMSCO GB160T	400	4,500
Golden State Drlg	D-8	dsl	750	Challenger 78	450	5,500
	D-10	dsl	750	Custom Howard-Turner	450	5,500

CALIFORNIA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
KERN (Cont'd)						
Hylton Drlg	5	dsl	380	IDECO H30	300	5,000
	8	dsl	380	IDECO H30	300	5,000
	7	dsl	300	NATL T12	380	4,000
	9	dsl	400	IDECO H30	300	5,000
	1	dsl	400	NATL T12	300	4,000
	4	dsl	380	Howard-Turner MR10	150	3,000
K B Drlg & Prod	7			Cooper		
Kellogg & Sons, K L	41	elec	1000	NATL Con 75CA	700	11,000
Kenai Drlg West Coast	34	dsl	850	EMSCO GB350	800	9,000
	6	dsl	850	EMSCO J750	800	10,000
	29	dsl	900	WILSON Giant	1200	12,000
Loffland Bros	64	dsl-elec	1290	M-CSCO U36EA	1200	10,000
	328	dsl	2160	NATL 130	2400	22,000
	98	dsl-elec	2000	M-CSCO U40E	1600	13,000
Marlin Drlg (TX)	12	dsl	2000	NATL 110UE	1500	16,000
Marlin West	Marlin 12	dsl-el-scr	2000	NATL 110	1600	18,000
Melton Drlg	3	dsl	350	Wgnr-Mrhse	350	4,000
Monterey Drlg	D	scr	700	NATL 50A	700	10,000
Montgomery Drlg	14	dsl	1200	OILWELL 66	700	10,500
	15	dsl-elec	2000	NATL 75CB	1000	14,000
	1	dsl-elec	3200	NATL 1320UE	3645	25,000
Montgomery Mountain Drlg	45	dsl	2000	EMSCO GB800	750	12,000
NECK Drlg	1	gas	350	WILSON Super	350	4,000
	3					
	2	gas	450	Wgnr-Mrhse	450	6,000
Pyramid Oil	3	dsl	400	IDECO H30	300	3,000
Scandinavian Montgomery Drlg	9	dsl-elec	2200	NATL 1320UE	3000	22,000
	3	dsl	1200	NATL 75	700	12,000
	8	dsl	1200	NATL 75	700	12,000
	11	dsl	1500	EMSCO GB800	1500	12,000
Trident Drlg	4	dsl	1100	NATL 75CA	900	12,500
	1	dsl	1200	NATL 75CA	800	10,000
	3	dsl	1100	NATL 100	1650	15,000
KINGS						
Marlin Drlg (TX)	13	dsl	2000	NATL 110UE	1500	18,000
Marlin West	13	dsl-scr	2000	NATL 110UE	1600	18,000
LAKE						
Monterey Drlg	B	dsl-elec	1000	NATL 80B	2000	14,000
Montgomery Drlg	6	dsl	1400	EMSCO GB800	1200	13,000
	17	dsl-elec	2000	OILWELL 940E	2000	20,000
LOS ANGELES						
Atlantic Oil	3	dsl	680	IDECO H40	370	7,500
Bawden Drlg, Peter (CA)	18	dsl-elec	2300	NATL 110M	1500	16,000
	38	dsl-elec	1800	OILWELL 940E	1500	8,500
	22	dsl-elec	1400	EMSCO M58	800	10,000
Big Chief Drlg	18	dsl	500	HOOPER GXXTA	450	6,000
Brinkerhoff-Signal	90	dsl	4000	GAR-DEN 1500E	2000	25,000
California Prod Serv	M-73	dsl	370	IDECO H35CKD	424	4,000
	D-7	dsl	1000	Hooper MTA	654	6,500
	M-72	dsl	500	IDECO H35CKD	424	4,000
	D-3	dsl	300	IDECO H37D	461	4,500
Kellogg & Sons, K L	40	elec	1000	NATL 610	700	11,000
Kenai Drlg West Coast	24	dsl-elec	1500	WILSON Titan	1000	13,000
	30	dsl	800	IDECO H40	400	6,500
Monterey Drlg	C	elec	1000	NATL 100ME	1500	16,000
	F	scr	400	IDECO H30E	500	8,000
Pool Offshore	427			OIME 1500		16,000
RDC/Finley	6	dsl	636	IDECO H40	475	5,500
	17	dsl	1100	CABOT/FRANKS 1287	636	7,000
	16	dsl	636	IDECO H35	318	4,000
	11	dsl	636	IDECO H30	318	3,500
Thompson Drlg	2	dsl	900	EMSCO GA250T	450	6,500
MONTEREY						
Loffland Bros	185	gas	1600	M-CSCO U914C	1900	18,000
MONTERREY						
Brinkerhoff-Signal	8	gas-btne	1000	GAR-DEN 800	1000	14,000
ORANGE						
Atlantic Oil	2	dsl	1260	NATL 55	1260	11,000
Loffland Bros	92	dsl-elec	2160	M-CSCO U914CE	2200	18,000
	125	dsl-elec	2180	M-CSCO U914	2200	18,000
RDC/Finley	21	dsl	2100	NATL 55	1200	12,000
SACRAMENTO						
Atlantic Oil	6	dsl	810	NATL 80	1690	14,000
	14	dsl	1020	IDECO H		6,500
	7	dsl	1020	NATL T32	450	7,500
Owens Serv, Jack	8	dsl	900	600	430	10,000
SAN JOAQUIN						
Atlantic Oil	15	dsl	1020	NATL T32	340	7,500
Marlin Drlg (TX)	11	dsl	2000	NATL 110UE	1500	16,000
Marlin West	Marlin 11	dsl-el-scr	2000	NATL 110	1600	18,000
SAN LUIS OBISPO						
Kenai Drlg West Coast	5	dsl	850	NATL T32	400	7,000

CALIFORNIA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
SANTA BARBARA						
Atlantic Oil	11	dsl	1350	NATL 80	1350	14,000
Bawden Drlg, Peter (CA)	50	dsl-mech	1500	NATL 55	700	12,000
Kenai Drlg West Coast	9	dsl	850	IDECO H40D	400	6,500
	8	dsl	825	Wgnr-Mrhse T5054	425	7,000
Loffland Bros	306	gas	1150	BRWSTR N95	1300	17,000
Montgomery Drlg	2	dsl-elec	2000	OILWELL 940E	3000	18,000
SANTA MARIA						
Trident Drlg	5	dsl-elec	3200	IDECO Super 711	1600	18,000
SOLANO						
Atlantic Oil	5	dsl	680	NATL 50A	680	9,000
Hunnicutt Camp Drlg	2	dsl	1520	OILWELL 660	880	12,500
	6	dsl-elec	4000	NATL 110	2000	16,000
	1	dsl	950	NATL T32	320	9,000
Monterey Drlg	A	dsl-elec	1000	IDECO 1040E	2000	18,000
Montgomery Drlg	7	dsl	1200	NATL 75	700	11,000
Owens Serv, Jack	2	dsl	200	IDECO H38	350	4,000
	5	dsl	300	IDECO H25	300	4,000
	6	dsl	300	IDECO H35	300	4,000
	7	dsl	700	Cooper 350	350	4,000
SONOMA						
Brinkerhoff-Signal	87	dsl	2000	NATL 80UE	2000	26,000
Loffland Bros	105	dsl-elec	2160	M-CSCO U914EC	2200	18,000
	25	dsl-elec	2160	M-CSCO U914CE	2200	18,000
	50	dsl-elec	1420	M-CSCO U712A	1600	17,000
	27	dsl-elec	2160	M-CSCO U20	2200	17,000
VENTURA						
Atlantic Oil	16	dsl	1650	NATL 130	2475	20,000
Bawden Drlg, Peter (CA)	24	dsl-elec	1550	NATL 80E	1000	14,000
	27	dsl-elec	1500	EMSCO A550E	1000	12,000
California Prod Serv	D-1	dsl	500	Hooper GXXTA	461	4,000
	D-4	dsl	500	Hooper MTA	461	4,500
Kenai Drlg West Coast	7	dsl	800	MAC 400	425	7,000
	4	dsl	800	IDECO H40D	400	6,500
Loffland Bros	212	gas	2000	M-CSCO U914A	1600	18,000
	217	gas	1600	M-CSCO U914C	1900	18,000
	16	dsl	1900	M-CSCO U914C	2000	18,000
RDC/Finley	20	dsl	2400	BRWSTR N95	1800	18,000
	22	dsl	1900	UNIT U36A	950	10,000
YOLO						
Bawden Drlg, Peter (CA)	23	dsl-elec	1700	EMSCO A800	1000	14,000
Hunnicutt Camp Drlg	3	dsl	1400	NATL CA50	640	10,500
Owens Serv, Jack	4	dsl	300	IDECO H35	150	4,000

COLORADO

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ADAMS						
Exeter Drlg Northern	40	dsl	500	M-CSCO U15	750	9,500
	56	dsl		GAR-DEN 1100	1650	20,000
Western Well Drlg	1	dsl	350	Midway 2000	350	2,500
ARAPAHOE						
Gibson Well Serv, J W	98	dsl	700	Superior	700	10,000
BOULDER						
Exeter Drlg Northern	12	dsl	500	NATL T45	750	9,500
CHEYENNE						
Murfin Drlg	14	dsl	400	NATL T45	700	8,000
DOLORES						
Coleman Drlg	1	dsl	900	IDECO H44	636	8,000
GARFIELD						
Atco Drlg	3			BRWSTR N4		6,000
	5	dsl	326	NATL T32	326	7,500
Cardinal Drlg	2	dsl	864	EMSCO GA500	760	10,000
Manning, R L	11	dsl	720	NATL 370	720	8,500
Shelby Drlg	10	dsl		Superior 400ESCR		8,500
HUERFANO						
Loffland Bros	26	dsl-elec	2000	M-CSCO U36	1600	11,000
	29	dsl-elec	1400	M-CSCO U36A	1600	11,000
JACKSON						
Nicor Drlg	38	dsl	750	WILSON 75	640	9,000
Republic Drlg & Serv	9	dsl-elec	1000	IDECO 725E	1000	11,000
Shelby Drlg	11	dsl		IDECO 35ESCR		10,000
KIOWA						
Murfin Drlg	25	dsl	600	NATL 370	600	7,500

COLORADO (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
KIT CARSON						
Exeter Drlg Northern	2	dsl	375	EMSCO GA250	480	7,500
LA PLATA						
Four Corners Drlg	4	dsl	1500	Crdwll KB500	700	8,000
LARIMER						
Exeter Drlg Northern	6	dsl	330	NATL T20	300	6,000
	22	dsl	500	M-CSCO U15	750	9,500
LOGAN						
Excell Drlg	3	dsl	400	Failing Stratmaster 100	400	5,500
	4	dsl	230	Ewbanks Model M75	230	2,000
MESA						
Coleman Drlg	4	dsl	1300	BRWSTR MOON46	930	10,000
Nicor Drlg	37	dsl	850	Failing LC90	340	7,000
	44	dsl-elec	1500	GAR-DEN 500E	650	11,000
	39	dsl	750	NATL D300	300	5,500
	26	dsl	1100	NATL 50A	425	11,500
Tierra Drlg	16	dsl	650	BRWSTR 4610	750	7,500
Veco Drlg	8	dsl	800	BRWSTR 45	750	10,000
	2	dsl	425	Mayhew 5000	500	7,000
	6	dsl	1400	OIME 750	750	11,000
	5	dsl	1400	OIME 750	750	11,000
	7	dsl	1550	OIME 1000	1000	16,000
MOFFAT						
Alco Drlg	56	dsl-elec	1800	NATL 80UE	1800	15,000
Brinkerhoff-Signal	6	dsl	1500	GAR-DEN 1100	1500	18,000
Parker Drlg	177	dsl	1400	OIME SL1500	1400	16,500
Veco Drlg	9	dsl	1200	IDECO 725	750	11,000
MONTROSE						
Loffland Bros	5	dsl	1220	IDECO H1000	868	12,000
MORGAN						
Allison Bros Drlg	2	dsl	380	CRDWLL KB500	380	7,500
	7	dsl	475	IDECO BIR800	950	10,000
Allison Drlg	3	dsl	380	CRDWLL KB500	380	7,500
	15	dsl	720	BRWSTR N7	720	10,000
	25	gas	435	GAR-DEN 500	435	10,000
Gibson Well Serv, J W	93	dsl	450	CABOT/FRANKS M1287	450	6,000
PROWERS						
Murfin Drlg	12	dsl	400	BETH C50	600	7,500
RIO BLANCO						
Cardinal Drlg	4	dsl	560	EMSCO GB350T	780	8,500
Kenai Drlg Rocky Mountain	3	dsl	600	OILWELL 52T	700	9,500
Manning, R L	19	dsl	925	BETH M58	980	10,000
	24	dsl	860	BRWSTR N75	980	11,000
Nicor Drlg	57	dsl	925	NATL T45	550	10,600
Shelby Drlg	5	dsl	360	Cooper LTO550	450	7,500
Twin Arrow	309	dsl		BRWSTR	575	6,000
Veco Drlg	1	dsl	400	Failing 90	400	5,000
Viersen & Cochran Drlg Co	13	dsl	1850	NATL 80B	1500	18,000
ROUTT						
Nicor Drlg	43	dsl-elec	1500	GAR-DEN 500E	650	11,000
SEDGWICK						
Gibson Well Serv, J W	75	dsl	450	Crdwll K8500	450	8,000
SUMMIT						
Transcontinental Drlg-Denver	41	dsl	2450	GAR-DEN 1100	2925	18,000
WASHINGTON						
Gear Drlg	1	dsl	350	NATL 50A	550	7,500
Toltek Drlg	4	dsl	440	UNIT [illegible]	440	7,500
Western Well Drlg	2	dsl	350	Failing H2000	350	3,500
WELD						
Allison Bros Drlg	1	dsl	320	IDECO BIR800	920	10,000
Antelope Drlg	1					
Exeter Drlg Northern	1	dsl	500	NATL 50A	750	9,500
	25	dsl	375	M-CSCO U15	500	8,500
	4	dsl	375	NATL T32	460	7,800
	33	dsl	500	M-CSCO U15	750	8,500
	23	dsl	500	M-CSCO U15	750	8,700
	14	dsl	375	BETH C50	600	7,800
Grace-Bomac Drlg	93	dsl-elec	3200	NATL 1320UE	2000	25,000
Toltek Drlg	3	dsl	680	BRWSTR N4A	440	8,500
	2	dsl	680	NATL 50A	875	10,500
	1	dsl	440	BRWSTR N4	440	8,500
Zenith Drlg	8	dsl	600	EMSCO GB350	600	8,500
YUMA						
Excell Drlg	2	dsl	375	671 GMC	210	3,300

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Avail-able to Drwwks	Rated Depth with 4½" Pipe
FLORIDA						
COLLIER						
Penrod Drlg	108	dsl	1000	NATL 80B	1760	15,000
SEE Land Drlg	14	dsl	1500	RMI	1000	15,000
	9	dsl	1500	NATL 100	1200	14,000
ESCAMBIA						
Tesoro Drlg	2	dsl	2600	NATL 1320M	2742	20,000
SANTA ROSA						
Delta Drlg	93	dsl-scr	2000	EMSCO D3 Type II	2592	16,000
Murco Drlg	18	dsl	2800	M-CSCO U1220	2400	25,000
IDAHO						
CARIBOU						
Loffland Bros	57	dsl-elec	1600	NATL 80B	2000	16,000
ILLINOIS						
UNDESIGNATED						
Gallagher Drlg	4	dsl	500	BETH S45E	476	6,000
P E P Drlg	7	dsl	550	EMSCO WS1	470	7,500
	2	dsl	500	IDECO H35S	350	6,500
	4	dsl	550	GAR-DEN 500	500	7,000
	5	dsl	550	GAR-DEN 500M	500	7,000
	1	dsl	550	BRWSTR N45	450	7,500
	6	dsl	550	IDECO H35S	350	6,500
CLAY						
Precision Expl	4	dsl	400	NATL T20	400	5,500
Smith Drlg	11	dsl	450	NATL T20	480	6,000
Wilson Inc, Les	15	dsl	500	IDECO H35	400	5,000
CRAWFORD						
Nicor Drlg	54	dsl-mech	400	IDECO H35CKD	500	4,300
CUMBERLAND						
Mitchell Drlg, Geo N	1	dsl	400	BETH SN45	400	6,000
EDWARDS						
Davis Drlg, D L	1	dsl	300	WILSON Mogul 38	300	3,500
Mitchell Drlg, Geo N	6	dsl	400	WILSON Super 38	400	6,000
Ram Drlg	2	dsl	1800	NATL T12	1800	5,000
Smith Drlg	9	dsl	320	NATL T12	320	4,000
FAYETTE						
Smith Drlg	7	dsl	450	GAR-DEN 2500	350	3,500
FRANKLIN						
Mitchell Drlg, Geo N	5	dsl	400	BRWSTR N4	400	6,000
JASPER						
Precision Expl	5	dsl	400	NATL T12	385	4,500
LINCOLN						
Venture Drlg	2	dsl	500	CABOT/FRANKS 750	700	6,500
MARION						
Mitchell Drlg, Geo N	4	dsl	400	BRWSTR N4	400	6,000
Precision Expl	2	dsl	400	NATL T20	400	5,500
RICHLAND						
Precision Expl	3	dsl	400	NATL T16	400	5,500
SALINE						
Big Seven Drlg	7	dsl	450	EMSCO GB250	400	6,000
WABASH						
Beard Drlg (IL)	1	dsl		NATL T12	350	4,500
WASHINGTON						
Oelze, Elmer Jr	1	dsl	475	Lee 650	475	6,500
	4	gas		Crdwll HL	140	[illegible]
	2	dsl	475	Wlkr-Nr 25040	380	6,000
	3	dsl		Wlkr-Nr S34A	180	5,000
WAYNE						
Barr Drlg	1	dsl	378	NATL T12	288	5,000
Mitchell Drlg, Geo N	7	dsl	400	IDECO H35	400	6,500
Precision Expl	1	dsl	400	NATL T20	400	5,500
Smith Drlg	3	dsl	375	NATL T12	375	5,000
WHITE						
Harris Drlg	4	dsl	500	NATL 50	380	6,000
	1	dsl	500	NATL T12	380	4,000
Snyder Drlg Well Serv	1	dsl	400	BRWSTR 55	400	6,500
	2	dsl	400	BETH 545	400	6,000
Wilson Inc, Les	12	dsl	500	IDECO H35	400	5,000
WILLIAMSON						
Gallagher Drlg	5	dsl	300	NATL T12	310	3,500
INDIANA						
DAVIESS						
Gwaltney Drlg	1	dsl	300	NATL T12	225	3,000
FULTON						
Nicor Drlg	22	dsl	1200	IDECO H35	720	7,000
GIBSON						
Lohmann Drlg	21	dsl		NATL T12		4,000
Ram Drlg	3	dsl	360	NATL T12	360	4,000
	1	dsl	1800	IDECO HD35	1800	6,000
Royco Drlg	2	dsl	300	GAR-DEN 3000	200	5,000
Smith Drlg	2	dsl	350	NATL T8	238	2,500
POSEY						
Gallagher Drlg	7	dsl	350	NATL T20	475	5,000
Kendall Drlg	2	dsl	450	BRWSTR N4	350	5,500
	3	dsl	450	BRWSTR N4	300	5,500
Lohmann Drlg	6	dsl	600	NATL 50	600	6,500
Mitchell Drlg, Geo N	9	dsl	600	GAR-DEN 500M	600	9,000
Royco Drlg	1	dsl	300	Crdwll	335	5,500
VANDERBURGH						
J-V Drlg	8	dsl	145	Speedstar SS15S	145	1,600/3.5"
	6	dsl	145	Speedstar SS15S	145	1,600/3.5"
	9	gas	85	FRANKS F	85	600/2.88"
IOWA						
DALLAS						
Allen Drlg	4	dsl	350	NATL T20	425	4,500
KANSAS						
UNDESIGNATED						
Heartland Drlg	1	dsl	500	IDECO H35S	650	6,500
Wakefield, Earl F	7	dsl	640	EMSCO GB160T	640	5,000
ALLEN						
Layton Oil	2	dsl	180	Failing 1500	100	1,500
ANDERSON						
Carter Land & Cattle	1	dsl	250	GAR-DEN 1000	350	1,000
BARBER						
Graves Drlg	1	dsl	300	BRWSTR N4	400	6,000
Hughes Drlg	7	dsl	550	IDECO H37	475	8,000
Wheatstate Oilfield	2	dsl	450	Mini-Max 15	450	6,500
BARTON						
Abercrombie Drlg	11	dsl	600	EMSCO 350	700	7,500
	12	dsl	365	BETH Freeze	300	5,500
Allen Drlg	1	dsl	400	NATL T32	425	8,000
	3	dsl	525	IDECO H30	425	5,000
Bergman Drlg	1	dsl	350	EMSCO	350	5,500
Damac Drlg	7	dsl	385	BRWSTR N4	385	6,000
Duke Drlg	1	dsl	375	UNIT	375	5,000
Peters Drlg	8	dsl	250	Crdwll DB200	250	6,000
Quanza Drlg	1	dsl	300	NATL 300B	300	5,500
	2	dsl	250	BRWSTR N4	450	4,500
Red Tiger Drlg	4	dsl	700	EMSCO Gas 250	700	5,500
	5	dsl	700	UNIT U15	700	6,000
Rockhold Engr	7	gas		Wlkr-Nr	200	
Slawson Drlg	2	dsl	360	IDECO H525	480	7,500
Sunflower Drlg	S-9	dsl	500	BRWSTR N42	600	7,500
	S-10	dsl	500	BRWSTR N42	600	7,500
White & Ellis Drlg	8	dsl	410	EMSCO 350	750	7,500
	10	dsl	410	BETH S45E	410	5,000
	9	dsl	410	BRWSTR N46	750	10,500
BUTLER						
Brandt Drlg	3	dsl	350	Wlkr-Nr R4	335	3,500
Edco Drlg	2	dsl	375	Sullivan 300	375	3,000
Kansas Drlg & Well Serv	4	dsl	750	KREMCO K600	500	7,000
McAllister Drlg	1	dsl	280	IDECO H30	312	5,500
Range Drlg	1	dsl	360	CABOT/FRANKS SAL-4500	440	3,500
White & Ellis Drlg	7	dsl	300	UNIT U34	475	4,000
	3	dsl	345	NATL T12	345	4,500
	4	dsl	300	EMSCO GA250	300	5,000
	5	dsl	300	EMSCO GA150	475	4,000
CLARK						
Damac Drlg	8	dsl	310	IDECO H35S	450	7,500
Eagle Drlg	1	dsl	600	NATL 370	650	7,000
Gabbert-Jones	3	dsl	410	EMSCO 350	475	8,000
Murfin Drlg	22	dsl	600	NATL 370	600	7,500
Pickrell Drlg	1	dsl	450	M-CSCO U15	450	6,500
Rine Drlg	8	dsl	700	BRWSTR N55	700	8,500
Sage Drlg	5	dsl	400	NATL T32	400	6,700
TMBR Drlg	31	dsl	600	UNIT U15	500	7,000
COWLEY						
Range Drlg	3	dsl	350	UNIT 10A	350	5,500
	2	dsl	350	WILSON Giant	350	5,500

KANSAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
DECATUR						
Murfin Drlg	7	dsl	525	NATL T32	400	6,000
EDWARDS						
Sterling Drlg (KS)	2	dsl	350	UNIT RV34B	285	4,800
ELK						
Edco Drlg	1	dsl	375	Sullivan 300A	318	3,000
ELLIS						
Abercrombie Drlg	1	dsl	365	M-CSCO U34	365	5,000
Big Springs Drlg	3	dsl	450	BRWSTR N4	450	5,000
Buffalo Drlg Inc	1	dsl	500	BRWSTR N4	400	6,000
Edsco Drlg	1	dsl	450	Wlkr-Nr 25040	425	6,000
Gabbert-Jones	8	dsl	450	NATL T32	450	6,000
Galloway Drlg	1	dsl	300	NATL T32	300	5,000
Jay-Lan Corp	3	dsl	3406	WILSON Model 42	825	6,000
Murfin Drlg	8	dsl	400	NATL T20	400	5,000
Peters Drlg	4	dsl	250	Crdwll RL	250	6,000
Red Tiger Drlg	2	dsl	700	EMSCO GA-250	700	5,500
Slawson Drlg	1	dsl	380	IDECO H35	380	5,500
ELLSWORTH						
Allen Drlg	2	dsl	350	IDECO H25	425	4,500
Rockhold Engr	3	gas		Crdwll RL	150	
FINNEY						
Cheyenne Drlg	1	dsl	450	OILWELL 52T	525	6,500
Linc Drlg	2	dsl	350	Wlkr-Nr Apache 250	368	6,000
FORD						
Slawson Drlg	6	dsl	360	IDECO H525	480	7,500
GOVE						
Allen Drlg	5	dsl	525	NATL 370	600	7,000
Red Tiger Drlg	9	dsl	700	UNIT U10	700	6,000
GRAHAM						
Farmer, John O	4	dsl	400	IDECO H30	400	6,000
Linc Drlg	1	dsl	350	Wlkr-Nr Apache 250	368	6,000
Murfin Drlg	21	dsl	375	IDECO H35	475	6,500
GRANT						
Rains & Williamson Oil	2	dsl	450	OILWELL 52-T	450	6,700
Service Drlg (OK)	10	dsl	300	UNIT RU34	400	5,500
GRAY						
Big Springs Drlg	2	dsl	360	NATL T32	360	5,500
GREENWOOD						
Edco Drlg	3	dsl	125	Crdwll J101	235	750
	4	dsl	125	Davey	235	750
Sterling Drlg (KS)	8	dsl	350	GAR-DEN 2000	350	2,800
HARPER						
FWA Drlg	32	dsl	600	WILSON Mogul 42	375	6,000
Gabbert-Jones	6	dsl	450	NATL T32	310	6,000
H30 Drlg	3	dsl	280	IDECO H40	312	8,000
Slawson Drlg	4	dsl	6500	IDECO H35	360	7,500
Sweetman Drlg	1	dsl	750	NATL 370	750	9,000
HASKELL						
Cheyenne Drlg	4	dsl	600	NATL 370	600	8,500
HODGEMAN						
Aldebaran Drlg	2	dsl	525	NATL T32	500	7,200
Beredco	3	dsl	500	M-CSCO U15	600	7,500
KINGMAN						
Brandt Drlg	2	dsl	350	NATL 370	600	7,500
Edco Drlg	5	dsl	475	Crdwll KB200	375	4,500
KANDRILCO Inc	2	dsl	375	MAC 400	475	5,500
Pickrell Drlg	10	dsl	370	M-CSCO U15	370	5,500
KIOWA						
Abercrombie Drlg	8	dsl	365	IDECO H35	365	6,000
DNB Drlg	3	dsl	450	NATL T20	350	5,000
Gabbert-Jones	9	dsl	310	NATL T32	450	6,000
Lauck Oil, D R	1	dsl	350	M-CSCO U15	400	6,000
Leben Drlg	11	dsl	500	GAR-DEN 3000	500	7,000
Red Tiger Drlg	6	dsl	700	IDECO H35	700	6,000
LANE						
KANDRILCO Inc	1	dsl	375	EMSCO GA250T	475	5,500
LOGAN						
Abercrombie Drlg	5	dsl	750	IDECO 725	600	10,000
	7	dsl	365	M-CSCO U34	365	5,000
Slawson Drlg	3	dsl	480	IDECO H35	480	7,000
McPHERSON						
Blackstone Drlg	4	dsl		BDW	450T	4,000
	3	dsl	300	450T BDW	300	5,000
	2	dsl	300	NATL T20	300	4,000
Edco Drlg	6	dsl	375	Crdwll KB150	318	3,500
Red Tiger Drlg	3	dsl	700	IDECO H35	700	5,500

KANSAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
MARION						
Berentz Drlg	3	dsl	440	NATL T12	500	3,800
Kansas Drlg & Well Serv	5	dsl	750	Crdwll KB200C	400	6,000
	2	dsl	265	Cooper 4242	235	2,000
	1	dsl	365	CABOT/FRANKS 1058	300	4,000
MEADE						
Prairie Drlg	8	dsl	1500	WILSON Atlas	1500	14,000
	9	dsl	500	EMSCO G350	1000	9,000
	3	dsl	1000	EMSCO GB500	1000	10,500
Rains & Williamson Oil	5	dsl	400	IDECO H40	525	7,000
Silverado Drlg	8	dsl	360	Crdwll J450	525	6,700
MIAMI						
L & R Drlg	6	dsl	318	CABOT/FRANKS 50	318	1,500/3.5"
MORTON						
Service Drlg (TX)	2	dsl	430	M-CSCO U34	450	6,000
Sunflower Drlg	S-7	dsl	500	BRWSTR N42	600	7,500
NEMAHA						
Brandt Drlg	1	dsl	350	BETH S50	450	5,000
Hamm Drlg	1	dsl	400	Wlkr-Nr Apache	425	6,000
NEOSHO						
Carter Land & Cattle	2	dsl	250	GAR-DEN 1000	350	1,000
NESS						
Lauck Oil, D R	2	dsl	350	BRWSTR N45	400	6,000
Leben Drlg	7	dsl	500	GAR-DEN 3000	500	7,000
Slawson Drlg	5	dsl	360	IDECO H525	480	7,500
Strata Drlg	1	dsl	500	M-CSCO U15	800	7,500
OSAGE						
Cardinal Drlg	34	dsl	400	EMSCO GB160	400	4,500
PAWNEE						
L D Drlg	1	dsl	410	BETH S45A	300	4,500
Rains & Williamson Oil	4	dsl	400	BRWSTR N4	450	5,500
PRATT						
Aldebaran Drlg	3	dsl	525	IDECO	600	7,200
Beredco	2	dsl	525	NATL 370	575	7,000
Big Springs Drlg	1	dsl	360	BETH S4513	360	5,000
Damac Drlg	1	dsl	310	WILSON Giant	310	6,000
H30 Drlg	5	dsl	510	IDECO H35	510	6,500
Murfin Drlg	19	dsl	525	WILSON Super Mogul 42	525	6,500
Wheatstate Oilfield	1	dsl	340	IDECO H35	525	6,000
RAWLINS						
Abercrombie Drlg	4	dsl	365	IDECO H35	365	8,500
Murfin Drlg	24	dsl	525	IDECO H35	475	6,500
RENO						
H30 Drlg	7	dsl	280	M-CSCO Mac400	312	8,000
Red Tiger Drlg	1	dsl	700	UNIT U15	700	6,000
RICE						
Sterling Drlg (KS)	5	dsl	350	EMSCO GB350	600	7,000
	1	dsl	350	M-CSCO U34	285	4,600
White & Ellis Drlg	2	dsl	425	EMSCO GA250	475	4,500
ROOKS						
J W Drlg	1	dsl	320	M-CSCO U15	320	6,000
Murfin Drlg	15	dsl	400	IDECO H35	475	6,500
Rains & Williamson Oil	11	dsl	300	BRWSTR	500	4,500
Red Tiger Drlg	8	dsl	700	EMSCO GA250T	700	5,500
RUSH						
Dunne-Gardner Petr	1	dsl	350	EMSCO 250	450	5,000
H30 Drlg	11	dsl	280	IDECO H30	312	5,500
RUSSELL						
Rains & Williamson Oil	9	dsl	300	BETH	300	4,500
Shields Drlg	2	dsl	300	BETH C50	300	5,500
SALINE						
Landmark Energy Corp	2	dsl	425	IDECO H30	425	5,000
	1	dsl	425	WILSON Mogul 42	425	6,500
Trans-Pac Drlg	1	dsl	500	IDECO H35SC	650	6,500
SCOTT						
Gabbert-Jones	11	dsl	310	NATL 370	450	6,000
Sunflower Drlg	S-6	dsl	500	BRWSTR N42	600	7,500
SEWARD						
Bohannan Drlg, J B	1	dsl	950	IDECO 725	750	10,000
Damac Drlg	6	dsl	550	CABOT/FRANKS BIR550	450	6,500

KANSAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
SEWARD (Cont'd)						
Gabbert-Jones	12	dsl	450	BRWSTR N42	525	8,000
N R G Drlg	1	dsl	560	WILSON Mogul 42	560	7,000
Sage Drlg	1	dsl	400	NATL T32	400	6,500
	7	dsl	400	BDW 450	400	9,000
	2	dsl	400	OILWELL T52	400	6,700
Tierra Drlg	17	dsl-elec	800	BDW 650	650	12,000
Zenith Drlg	4	dsl	1100	UNIT U15	1100	12,000
	7	dsl	550	BRWSTR N4	500	7,000
	6	dsl	600	EMSCO GB350	600	8,500
	2	dsl	600	EMSCO GB350	600	8,500
SHERIDAN						
Dunne-Gardner Petr	2	dsl	400	IDECO H35	450	7,000
Rains & Williamson Oil	1	dsl	525	BETH S45-B	450	5,500
STAFFORD						
Duke Drlg	2	dsl	250	NATL	250	5,000
Husky Drlg	2	dsl	350	IDECO H35	650	8,000
H30 Drlg	2	dsl	280	MAC 400	312	8,000
Sterling Drlg (KS)	4	dsl	450	M-CSCO U15	285	5,000
Wheatstate Oilfield	3	dsl	340	EMSCO 250	425	5,000
STANTON						
Service Drlg (OK)	2	dsl	300	UNIT RU34	450	5,500
STEVENS						
Wakefield, Earl F	1	dsl	440	M-CSCO U34	440	5,000
SUMNER						
R R A Inc	1	dsl	335	Cooper 350	325	6,500
Rains & Williamson Oil	3	dsl	525	Crdwll J350	525	6,700
Sunflower Drlg	S-4	dsl	500	BRWSTR N42	600	7,500
THOMAS						
Abercrombie Drlg	8	dsl	365	BETH S50	365	5,500
Murfin Drlg	2	dsl	400	NATL T32	400	6,000
TREGO						
Abercrombie Drlg	10	dsl	365	CABOT/FRANKS Tri Mtd	220	4,500
	9	dsl	365	BETH Breeze	365	5,500
Aldebaran Drlg	1	dsl	525	BRWSTR N42	600	7,200
Buffalo Drlg Co	7	dsl	360	BRWSTR N4	460	5,500
DNB Drlg	2	dsl	500	NATL T32	525	6,500
Murfin Drlg	16	dsl	400	EMSCO S45E BETH	400	6,000
Red Tiger Drlg	7	dsl	700	EMSCO GA250T	700	5,500
Sunflower Drlg	S-5	dsl	500	BRWSTR N42	600	7,500
WALLACE						
Murfin Drlg	23	dsl	375	IDECO 35	475	6,500

KENTUCKY

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
DAVIESS						
Crescent Drlg	7	dsl	1200	BETH Toro	1200	12,000
HENDERSON						
Kendall Drlg	1	dsl	450	NATL T12	300	4,000
Lightning Drlg & Constr	1	dsl	325	IDECO 20	400	3,800
	2	dsl	300	Dresser T70W	300	3,200
Mitchell Drlg, Geo N	8	dsl	400	Mac 300	300	4,200
HOPKINS						
Crescent Drlg	4	dsl	400	BETH S45	400	4,000
Weal Drlg	2	dsl	335	Crdwll S	335	4,000
	1	dsl	325	NATL T12	360	4,000
MUHLENBERG						
Crescent Drlg	8	dsl	400	BETH S45	400	5,000
PIKE						
Ray Resources	4	dsl	450	IDECO BIR5525	600	6,000
TODD						
W W Corp	1	dsl	450	GAR-DEN 3000	450	5,000
UNION						
Big Seven Drlg	11	dsl	360	EMSCO GB160	335	4,000
WHITLEY						
Miller Contract Drlg	16	dsl	525	Ingersoll	525	3,000

LOUISIANA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Goldrus Drlg	2	dsl-elec	2000	OILWELL E2000	2000	25,000
	6	dsl-elec	3400	OILWELL E2000	1700	20,000
	11	dsl	1500	BRWSTR N12A	2000	16,000
	20	dsl	1950	CABOT/FRANKS 1200	1054	15,000
	4	dsl	1200	BRWSTR N75	1040	14,000
	3	dsl-elec	1700	OILWELL E2000	3400	20,000

LOUISIANA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED (Cont'd)						
Harris Well Serv	26	dsl	632	IDECO H44	750	10,000
	17	dsl	316	IDECO H35	316	7,500
	27	dsl	316	IDECO H35	316	7,500
	31	dsl	316	Cooper LTD350	316	7,500
	32	dsl	316	IDECO H35	316	7,500
	28	dsl	316	IDECO H35	316	7,500
	24	dsl	316	IDECO H35	316	7,500
	25	dsl	632	IDECO H44	632	10,000
	23	dsl	316	IDECO H37	480	8,000
	33	dsl	900	IDECO H44	900	10,000
	29	dsl	316	IDECO H35	316	7,500
	22	dsl	316	IDECO H35	316	7,500
	21	dsl	316	IDECO H35	316	7,500
	19	dsl	316	IDECO H35	316	7,500
	30	dsl	2000	IDECO 1200	1400	13,500
	18	dsl	316	IDECO H35	316	7,500
Nicklos Drlg	28	dsl-elec	3000	EMSCO Electrohoist III	3600	25,000
	23	dsl	1850	NATL 110	1755	18,000
	25	dsl	2000	EMSCO A1500	2119	20,000
Power Rig Drlg	11	dsl	2700	EMSCO CI	2000	25,000
	21	dsl	3500	EMSCO C2	2000	25,000
	10	dsl	2600	EMSCO A1500	1450	30,000
	17	dsl-elec	2000	IDECO E1700	2400	16,000
	18	dsl	3200	EMSCO C2	2000	25,000
	20	dsl	1850	IDECO E900	900	13,000
	12	dsl	3200	EMSCO A1500M	2200	30,000
	22	dsl-elec	2700	IDECO E1700	1700	18,000
	15	dsl	2350	EMSCO C1 Type III	1950	16,000
	19	dsl	3000	EMSCO C3	3300	30,000
	9	dsl	1850	EMSCO D3	1450	14,000
	23	dsl-elec	2000	EMSCO C2	2000	30,000
	24	dsl-elec	3300	EMSCO C3	3000	40,000
Rebel Drlg	2	dsl	350	BETH S455	350	8,000
Santa Fe Drlg	120	dsl-elec	3400	EMSCO C311E	3000	25,000
ACADIA						
Comet Drlg	8	dsl	1700	CABOT 1200	1200	13,500
Delta Drlg	31	dsl	2300	EMSCO C1 Type III	2592	20,000
Glasscock Drlg	69	dsl	2700	NATL 1320	2700	20,000
	61	dsl	1400	NATL 80B	1250	13,500
Glendel Drlg	5	dsl-elec	2000	GAR-DEN 1100E	2000	18,000
Goldrus Drlg	10	dsl	1250	BETH MA810	1176	13,000
	9	dsl	1750	BETH M810	1560	16,000
Great Southern Oil & Gas	5	dsl	500	WILSON	318	7,000
Grey Wolf Drlg	1	dsl	2000	EMSCO C1	2000	16,000
Nicor Drlg	80	dsl-mech	975	WILSON Mogul 42	450	9,000
	74	dsl-mech	2900	NATL 1320M	2000	25,000
Penrod Drlg	11	dsl	2600	NATL 1320M	3425	25,000
Resource Drlg	RD-21	dsl	2330	NATL 110	2740	18,000
Richards Drlg	10	dsl-elec	3400	OILWELL E3000	3000	30,000
ALLEN						
Chapman Drlg	141	dsl-mech	2000	OIME SL7	1000	15,000
Explorer Drlg	12	dsl	1300	IDECO 700	2730	9,500
Justiss Oil	22	dsl	1800	NATL 80B	1420	14,000
Woolf & Magee	6	dsl	850	IDECO H35	500	10,000
ASCENSION						
Glasscock Drlg	70	dsl	1600	NATL 80B	1600	14,000
Loffland Bros	167	dsl	2160	M-CSCO U914C	2400	20,000
Quarles Drlg (LA)	19	dsl	1300	OILWELL 96	1500	15,000
ASSUMPTION						
Glasscock Drlg	65	dsl	2200	NATL 110	1700	16,000
Merit Drlg	1	dsl-scr	2800	OILWELL 2000E	2000	25,000
Nicor Drlg	73	dsl-mech	1000	CABOT/FRANKS 2550TRD	1200	15,000
Wilson Bros Drlg	5	dsl	2600	NATL 110M	2700	20,000
AVOYELLES						
Bailey Drlg, Pernie	4	dsl	2900	NATL 1320M	3000	20,000
Comet Drlg	10	dsl	1700	CABOT 900	900	10,500
Culver Drlg	10	dsl	1500	NATL 110	1500	16,000
BATON ROUGE						
Helmerich & Payne intl Drlg	73	dsl-elec	2835	OILWELL 3000M	3400	30,000
BEAUREGARD						
Cliffs Drlg	32	dsl	2600	NATL 110	2475	20,000
Explorer Drlg	14	dsl	1300	CABOT/FRANKS 2650	2000	13,500
Glasscock Drlg	63	dsl	2200	NATL 110	1700	16,000
Grey Wolf Drlg	4	dsl	1500	EMSCO GB800	800	12,500
Nicor Drlg	81	dsl-mech	900	IDECO H40	550	
Southland Drlg	3	dsl	1300	BRWSTR N75	750	11,000
Woolf & Magee	4	dsl	850	IDECO H35	500	10,000
BIENVILLE						
Noble Drlg	E553	dsl	800	EMSCO A550	800	12,000
Transcontinental Drlg-Shreveport	83	dsl	1000	GAR-DEN 800	1000	15,000

LOUISIANA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
BOSSIER						
Butler Johnson	4	dsl	1200	BRWSTR N75	1200	12,500
	12	dsl	1300	GAR-DEN M700	1300	12,500
	1	dsl	1900	BRWSTR N85	1900	15,000
	6	dsl	2000	BRWSTR N85	1900	15,000
	7	dsl	1200	NATL 55	1200	12,500
Continental Drlg	11	dsl-elec	2600	IDECO E1700	1700	19,000
D B Drlg-Shreveport	27	dsl	750	NATL 50A	750	11,000
	18	dsl	1040	Schaffer SC800	1040	14,000
	28	dsl	1650	EMSCO EDA	1650	16,000
Guthrie McLaren Drlg	5	dsl	750	NATL 50CA	400	8,500
Justiss Oil	11	dsl	1200	EMSCO GB800	1600	14,000
	5	dsl	450	BETH S45E	300	6,500
Legersen Drlg	6	dsl-elec	2000	IDECO 2500E	2500	22,000
Remco Drlg	1	dsl	900	CABOT/FRANKS 2042	475	10,000
	2	dsl	1200	BRWSTR TR800	800	12,000
Sawyer Drlg & Serv	12	dsl	900	WILSON Giant	900	12,000
Transcontinental Drlg-Magnolia	86					
Vista Drlg	33	dsl	1000	BRWSTR N7	1000	12,000
CADDO						
Bailey Drlg	4	dsl	500	UNIT 31	350	6,500
France Drlg	6	dsl	1300	NATL 610	900	13,000
	1	dsl	1600	GAR-DEN 700	900	13,000
Noble Drlg	N-58	dsl	800	NATL 55	800	12,000
Sawyer Drlg & Serv	13	dsl	400	WILSON Giant	400	9,000
Transcontinental Drlg-Shreveport	93					
Transcontinental-Magnolia	1	dsl	350	EMSCO GB250T	350	6,500
	2	gas	500	EMSCO GB350	500	8,500
Vista Drlg	31	dsl	600	BRWSTR N4	400	7,100
Wheless Drlg	1	dsl-el-scr	3200	EMSCO C2 II	2000	25,000
CALCASIEU						
Explorer Drlg	24	dsl	2000	M-CSCO U36	800	10,000
	16	dsl	1350	M-CSCO U1220E13	3300	25,000
Grey Wolf Drlg	9	dsl-elec	3000	EMSCO CZ11	2000	25,000
	2	dsl-elec	3000	EMSCO C11	2000	25,000
Kelley & Kerr Drlg	Paso Grande	dsl	1400	OIME SD5	800	12,000
M G F Drlg-Lafayette	44	dsl	2000	M-CSCO U914	1500	18,000
Merit Drlg	4	dsl-scr	2800	OILWELL 2000E	2000	25,000
Moran Drlg	38	dsl-el-scr	3200	EMSCO C2 Type II	2000	25,000
CAMERON						
American Well Serv & Drlg	11	dsl	1700	BRWSTR HI4610A38	575	8,000
Bailey Drlg, Pernie	2	dsl	2000	NATL 80B	1950	14,000
CRC Mallard Well	19	dsl	1300	WILSON 90	800	14,500
Delta Drlg	82	dsl-scr	3200	EMSCO C2 Type II	3456	25,000
	47	dsl	2300	NATL 130	2250	20,000
Eljay Drlg	1	dsl-scr	2800	OILWELL E2000	2000	25,000
Glasscock Drlg	68	dsl	2700	NATL 1320	2700	20,000
	64	dsl	2200	NATL 110	1700	16,000
	74	dsl	1600	NATL 1625M	3000	30,000
Grey Wolf Drlg	3	dsl-elec	3000	EMSCO ECB	2000	25,000
Nicor Drlg	68	dsl	2100	M-CSCO U712A	1200	16,000
Nowotny & Conley Drlg	1	dsl	2000	OIME SL-1000	1200	15,000
NL Well Serv	298	dsl				
Quarles Drlg (LA)	17	dsl	3800	NATL 160E	3800	
	16	dsl	2000	IDECO Super 711	2100	17,000
CATAHOULA						
Justiss Oil	39	dsl	300	JFJ 6500	400	6,500
New & Hughes Drlg	5	dsl	450	Spencer 5000	500	7,000
CLAIBORNE						
Butler-Johnson	5	dsl	1800	BRWSTR N95	1800	20,000
H & S Drlg	2	dsl	1700	BRWSTR N95	2145	14,000
Noble Drlg	N-81	dsl	1420	NATL 80	1420	14,000
Sawyer Drlg & Serv	14	dsl	540	Duggan DS5	540	9,500
	6	gas	1200	BRWSTR N75	1200	13,000
Transcontinental Drlg-Shreveport	23	dsl	1000	BRWSTR N75	1000	12,000
CONCORDIA						
D & D Drlg	3	dsl	450	BRWSTR N45	500	8,200
	1	dsl	325	BRWSTR N4A	350	8,000
DE SOTO						
Exeter Drlg Southern	57	dsl	1500	EMSCO D3	1500	16,000
H & S Drlg	1	dsl	1700	BRWSTR N95	2145	14,000
Transcontinental Drlg-Shreveport	94					
Verna Corp	23	dsl	550	M-CSCO U15	600	10,000
EAST BATON ROUGE						
Explorer Drlg	26	dsl	2000	UNIT 712EA	2730	16,000
Glasscock Drlg	66	dsl	2700	NATL 1320	2700	20,000
JFP Well Serv	4	dsl	2000	OILWELL E2000	2000	25,000
EAST BATON ROUGE (Cont'd)						
Loffland Bros	330	dsl	2400	M-CSCO U1220	2775	22,000
	21	dsl-elec	3200	M-CSCO U1220EBD	2500	30,000
	114	dsl-elec	3300	M-CSCO U1220EBD	3300	30,000
	116	dsl-elec	3300	M-CSCO U1220EBD	3300	30,000
Noble Drlg	OW-21	dsl-elec	3300	OILWELL E2000	3300	25,000
Parker Drlg	174	dsl	3000	OIME Hercules 3000E	3000	30,000
Penrod Drlg	2	dsl	2800	EMSCO C2	3425	25,000
	4	dsl	3425	EMSCO C3	2200	30,000
	110	dsl	1600	NATL 1625M	2200	30,000
	5	dsl-elec	3425	EMSCO C3	3200	30,000
EAST FELICIANA						
New & Hughes Drlg	8	dsl	1200	NATL 80B	1200	15,000
EVANGELINE						
Penrod Drlg	14	dsl	3075	BRWSTR N12A	1840	20,000
Wilson Bros Drlg	12	dsl	1850	NATL 110	1850	16,000
FRANKLIN						
Energy Drlg	3	dsl	2000	EMSCO D3	2000	18,000
Justiss Oil	15	dsl	450	BETH 45E	300	6,500
GATAHALA						
Helmerich & Payne Intl Drlg	75	dsl	3300	NATL 1625M	3645	30,000
GRANT						
Butler-Johnson	9	dsl	1200	GAR-DEN 700	1200	12,000
HOLLY BEACH						
Williams Drlg	2	dsl-elec	3200	GAR-DEN 1500	2000	25,000
IBERIA						
Bailey Drlg, Pernie	1	dsl	1500	BRWSTR N75	850	12,000
CRC Mallard Well	17	dsl	1300	WILSON 90	800	14,500
IBERVILLE						
Bailey Drlg, Pernie	7	dsl	1200	GAR-DEN 800	1200	11,000
M G F Drlg-Lafayette	42	dsl	1500	OILWELL 96	1500	16,000
Woolf & Magee	12	dsl	850	IDECO H35S	500	10,000
IRWINVILLE						
Dual Drlg	9	dsl	3200	NATL 1320M	2000	25,000
JACKSON						
Comet Drlg	14	dsl	2800	GAR-DEN 1500	2800	25,000
Culver Drlg	14	dsl	2400	M-CSCO U914	2400	16,000
	20	dsl	2000	NATL 1320	2000	25,000
JEFFERSON						
Explorer Drlg	6	dsl	1300	M-CSCO	2730	20,000
NL Well Serv	11	dsl	500	NATL 55	1100	10,000
Wilson Bros Drlg	4	dsl	2800	NATL 110	2700	20,000
JEFFERSON DAVIS						
Comet Drlg	4	dsl	1700	BRWSTR N75	900	12,000
Explorer Drlg	18	dsl	1300	CABOT/FRANKS 2650	2000	13,500
Richards Drlg	12	dsl	1700	RMI 1000	1400	14,000
Wilson Bros Drlg	8	dsl	1750	NATL 110	1750	16,000
	23	dsl-elec	2800	OILWELL E2000	2000	25,000
LA SALLE						
Justiss Oil	17	dsl	350	BETH S45E	350	7,500
	37	dsl	200	JFJ500	225	5,000
LAFAYETTE						
Butler-Johnson	15	dsl	1000	NATL 80B	1950	15,000
Cliffs Drlg	26	dsl	2000	NATL 110	1650	18,000
Dual Drlg	21	dsl	2600	EMSCO C1	1500	22,000
Explorer Drlg	20	dsl	800	BRWSTR TR800	2000	11,000
Glasscock Drlg	67	dsl	2700	NATL 1320	2700	20,000
Grey Wolf Drlg	6	dsl-elec	3000	EMSCO CII	2000	25,000
JFP Well Serv	6	dsl	2000	OILWELL E2000	2000	25,000
Nowotny & Conley Drlg	7	dsl	1600	NATL 610	800	13,000
Williams Drlg	1	dsl-elec	3200	GAR-DEN 1500	2000	25,000
Wilson Bros Drlg	9	dsl	2600	NATL 110	2700	20,000
	3	dsl	2600	NATL 1320	2700	30,000
	6	dsl	2600	NATL 1320	2700	30,000
	11	dsl	2400	NATL 110	2700	20,000
LAFOURCHE						
American Well Serv & Drlg	14	dsl	1700	BRWSTR HI4610A	575	10,500
Cliffs Drlg	30	dsl	2600	NATL 1320	2475	25,000
CRC Mallard Well	20	dsl	1300	WILSON 90	800	14,500
Delta Drlg	97	dsl	2000	EMSCO J1100	1560	16,000
Loffland Bros	145	dsl	2955	M-CSCO U1220	2955	20,000
M G F Drlg-Lafayette	47	dsl	1800	IDECO S711	1800	18,000
Murco Drlg	26	dsl	2800	OILWELL N2000-B	3000	30,000
Quarles Drlg (LA)	18	dsl	2250	GAR-DEN 800	1500	13,500
Resource Drlg	RD-22	dsl	3105	NATL 1320	3740	25,000

LOUISIANA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
LIBERTY						
Goldrus Drlg	15	dsl	1740	BETH M810	1560	16,000
LINCOLN						
Butler-Johnson	8	dsl	2300	GAR-DEN 1500	2200	20,000
	3	gas-btne	1200	EMSCO A550	1200	13,500
Rosamond Drlg	9	dsl	925	GAR-DEN 700	1300	16,000
Sawyer Drlg & Serv	10	gas	1200	Whlnd 1000	1200	13,000
	9	dsl	800	BRWSTR N45-M	800	10,000
	3	dsl	1100	BRWSTR N7	1100	12,000
Transcontinental-Magnolia	5	dsl	1050	OILWELL 76	1050	11,500
Wheless Drlg	4	dsl	1800	EMSCO J1100	1800	16,000
LIVING						
Cliffs Drlg	16	dsl	2600	NATL 1320	2475	25,000
LIVINGSTON						
Cliffs Drlg	24	dsl	2600	NATL 1320	2475	25,000
Goldrus Drlg	14	dsl-elec	1200	BRWSTR N75	1176	13,000
Grey Wolf Drlg	8	dsl-elec	3000	EMSCO CZ II	2000	25,000
Helmerich & Payne Intl Drlg	83	dsl-scr	2800	OILWELL E2000	2000	26,000
JHJ Drlg	4	dsl	1000	OIME SL7	1400	17,000
Marion Drlg	2	dsl	2400	EMSCO C1	2400	20,000
MADISON						
Continental Drlg	42	dsl-elec	3200	IDECO E2100	2100	25,000
MONROE						
Transcontinental Drlg-Jackson	18					
NATCHITOCHES						
Penrod Drlg	28	dsl	3425	NATL 1320M	2200	25,000
OUACHITA						
Justiss Oil	38	dsl	2600	EMSCO J1100	2600	20,000
Underwood Oil Well Serv	12	dsl	350	BRWSTR N3	350	4,000
PLAQUEMINES						
CRC Mallard Well	15	dsl	1300	WILSON 90	800	14,500
Explorer Drlg	10	dsl	1836	Beth	1750	12,500
M G F Drlg-Lafayette	41	dsl	1600	OILWELL 96	1600	15,000
NL Well Serv	4	dsl				
	6	dsl	800	GAR-DEN 700	700	12,000
	7	dsl	800	GAR-DEN	700	12,000
Quarles Drlg (LA)	20	dsl	4200	IDECO 3000E	4200	30,000
POINTE COUPEE						
Comet Drlg	12	dsl	1700	CABOT 1200	1200	13,500
Decca Drlg	25	dsl	1000	IDECO Super 750	800	12,500
	23	dsl	1800	NATL 1320M	2700	25,000
	21	dsl	1600	UNIT 914C	2100	18,000
Delta Drlg	76	dsl-scr	3200	GAR-DEN 3000RE	4600	30,000
Dual Drlg	28	dsl	3400	OILWELL E3000	2000	30,000
Eljay Drlg	3	dsl-scr	3400	OILWELL E3000	3000	30,000
	4	dsl-scr	3400	OILWELL E3000	3000	30,000
Goldrus Drlg	1	dsl-elec	2000	OILWELL E3000	3000	30,000
M G F Drlg-Lafayette	401	dsl-elec	1600	NATL 320UE	2000	25,000
Parker Drlg	165	dsl	3000	OIME Hercules 3000E	3000	30,000
	175	dsl	3000	OIME Hercules 3000E	3000	30,000
Penrod Drlg	1	dsl	3425	NATL 1625M6	2200	30,000
	122	dsl	1300	NATL 1625M	2000	25,000
	17	dsl	2600	NATL 1320M	3425	25,000
POLK						
Goldrus Drlg	5	dsl-elec	3400	OILWELL E2000	1700	20,000
PONCHATOULA						
Dual Drlg	22	dsl	3200	NATL 1320M	2000	22,000
QUACHITA						
D B Drlg-Shreveport	29	dsl	1350	NATL 75CB	1350	14,000
RAPIDES						
Justiss Oil	8	dsl	450	EMSCO GA500	900	11,000
Par-Co Drlg	4	dsl	700	WILSON 42	500	8,000
RED RIVER						
Bailey Drlg, Pernie	3	dsl	2000	BRWSTR N12		18,000
SABINE						
Murco Drlg	34	dsl	2200	OILWELL N760	1350	15,000
Resource Drlg	12	dsl	3105	NATL 1625	3740	30,000
Wilson Bros Drlg	10	dsl	2200	NATL 110	2100	20,000
ST BERNARD						
CRC Mallard Well	18	dsl	1300	WILSON 90	800	14,500
NL Well Serv	15	dsl	2400	BRWSTR N95	1600	18,000
	8	dsl	400	IDECO H35	350	6,000
	17	dsl	1200	BRWSTR N75	1200	
	14	dsl	2400	BRWSTR N95	1600	18,000
ST HELENA						
Glasscock Drlg	72	dsl	800	NATL 80B	1250	12,000
Mid-America Drlg & Expl	2	dsl	1100	UNIT U36A	800	13,000
Transcontinental Drlg-Jackson	14					
ST LANDRY						
American Well Serv & Drlg	15	dsl	1700	BRWSTR DH14610	900	12,000
Great Southern Oil & Gas	37	dsl	1000	IDECO	636	10,000
Nicklos Drlg	79	dsl-elec				
Nicor Drlg	76	dsl-mech	1825	NATL 75	750	15,000
NL Well Serv	277	dsl				
	269	dsl	304	CABOT/FRANKS 1287	300	
	247	dsl	700	CABOT/FRANKS 2042	600	7,500
	286	dsl	1000	CABOT/FRANKS 2550HL	1500	16,000
	267	dsl	700	CABOT/FRANKS 2042	800	7,500
ST MARTIN						
Delta Drlg	25	dsl	2300	EMSCO C1 Type III	2592	18,000
	16	dsl	2600	NATL 130	2250	25,000
Glasscock Drlg	71	dsl	1100	NATL 110	1500	20,000
Great Southern Oil & Gas	42	dsl	665	IDECO	636	10,000
Helmerich & Payne Intl Drlg	41	dsl	1650	NATL 110	1815	22,000
ST MARY						
Bailey Drlg, Pernie	8	dsl	2000	NATL 110M	1500	20,000
Goldrus Drlg	8	dsl-elec	1750	OILWELL 840E	1700	18,000
Noble Drlg	N-131	dsl	2130	NATL 130	2130	18,000
	OW-31	dsl-elec	3135	OILWELL E3000	3135	25,000
Republic Drlg	11	dsl-elec	2000	OILWELL 700E	1000	14,000
Resource Drlg	RD-30	dsl	3105	NATL 1625	3740	30,000
Sanders Drlg	2	dsl	3200	BRWSTR N12A	3000	25,000
TANGIPAHOA						
Challenger Drlg	34	dsl	1200	BRWSTR N75	1500	12,000
Resource Drlg	11	dsl	3105	NATL 1625	3740	30,000
TENSAS						
Rosamond Drlg	7	dsl	1450	BRWSTR N10	1275	13,500
TERREBONNE						
Bailey Drlg, Pernie	5	dsl	1500	NATL 55	1100	12,000
Cliffs Drlg	18	dsl	2600	NATL 110	2475	20,000
Comet Drlg	6	dsl	2550	IDECO Super 7-11	1700	18,000
CRC Mallard Well	12	dsl	800	WILSON Model 90	800	11,000
Goldrus Drlg	7	dsl	1750	BRWSTR N95	1560	16,000
Loffland Bros	103	dsl-elec	3300	M-CSCO U1220EBD	3300	30,000
Nicor Drlg	72	dsl	2600	NATL 1320M	2000	25,000
NL Well Serv	18	dsl	1200	BRWSTR N75	1200	12,000
	3	dsl				
Penrod Drlg	29	dsl	3425	NATL 1320M	2200	25,000
Quarles Drlg (LA)	21	dsl	3600	OILWELL 940E	3600	20,000
UNION						
Butler-Johnson	10	dsl	1500	GAR-DEN M800	1500	14,000
Sawyer Drlg & Serv	7	gas	900	IDECO 750	900	13,000
VERMILION						
Bailey Drlg, Pernie	6	dsl	3000	NATL 110M	3000	18,000
Bay Drlg	1	dsl	3600	NATL 1320M	3600	25,000/5"
Cliffs Drlg	28	dsl	2600	NATL 1320	2475	25,000
	31	dsl	2600	NATL 110	2475	20,000
CRC Mallard Well	14	dsl	1300	WILSON 90	800	14,500
	11	dsl	800	WILSON Model 90	800	11,000
Delta Drlg	85	dsl-scr	2900	EMSCO C2 Type II	3456	25,000
	96	dsl-elec	2600	EMSCO C1 Type II	3456	20,000
Diamond M Land Drlg	174	dsl	2600	NATL 110M	2550	16,000
Glendel Drlg	6	dsl-elec	2000	GAR-DEN 1100E	2000	18,000
Grey Wolf Drlg	7	dsl-elec	3000	EMSCO C11	2000	25,000
	5	dsl-elec	3000	EMSCO EDA	2000	25,000
NL Well Serv	268	dsl	300	CABOT/FRANKS 1287	456	5,000
	16	dsl		IDECO H35		
Penrod Drlg	27	dsl	2600	EMSCO C2	2000	25,000
Quarles Drlg (LA)	22	dsl	4800	OILWELL 3000	4800	30,000
Resource Drlg	1	dsl	3105	NATL 1320	3740	25,000
VERNON PARISH						
Dual Drlg	11	dsl	2800	OILWELL 860	1400	18,000
WASHINGTON						
Tesoro Drlg	6	dsl	2600	NATL 1625M	2742	30,000
WEBSTER						
Mosley Well Serv	7	dsl		CABOT/FRANKS	475	10,000

LOUISIANA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
WEBSTER (Cont'd)						
Nelson Drlg & Well Serv	2	dsl	1000	BRWSTR N75	1000	13,000
	1	dsl	600	Spencer 7000	600	10,000
Wheless Drlg	2	dsl	1200	EMSCO D2	1200	11,000
WEST BATON ROUGE						
Exeter Drlg Southern	32	dsl	2800	GAR-DEN 1500	2800	25,000
Goldrus Drlg	22	dsl	1250	CABOT/FRANKS 1000	872	13,500
Parker Drlg	180	dsl	3000	OIME Hercules 3000E	3000	30,000
Tesoro Drlg	8	dsl	3200	NATL 1320	3600	30,000
WEST FELICIANA						
Delta Drlg	35	dsl-el-scr	2600	EMSCO C1 Type II	3100	20,000
Helmerich & Payne Intl Drlg	40	dsl	1650	OILWELL 860	1815	20,000
Loffland Bros	115	dsl-elec	3300	M-CSCO U1220EBD	3300	30,000

MICHIGAN

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ALLEGAN						
Nicor Drlg	52	dsl-mech	600	BRWSTR DH14210	550	8,400
ANTRIM						
Cactus Drlg Corp	12	dsl	800	OILWELL 66	800	10,000
BENZIE						
Nicor Drlg	24	dsl	650	IDECO H525	850	8,500
CALHOUN						
Bigard Drlg, James	3	dsl	535	CABOT/FRANKS 550	550	7,500
GRAND TRAVERSE						
Bigard Drlg, James	10	dsl	700	IDECO H44	600	8,500
Cactus Drlg Corp	17	dsl	800	BRWSTR N55	800	11,000
Energy Services	4	dsl	500	IDECO DI7015	600	7,500
L & G Drlg	3	dsl	500	EMSCO GB350	600	10,000
	2	dsl	500	WILSON 65	600	8,000
HILLSDALE						
Scott Drlg, Don	5	dsl	1000	IDECO H1000	900	8,000
INGHAM						
Bigard Drlg, James	9	dsl	600	IDECO H44	600	8,500
ISABELLA						
Bigard Drlg, James	7	dsl	600	IDECO H37	535	7,500
	16	dsl	475	IDECO H44	600	8,500
Energy Services	5	dsl	949	IDECO H35	445	5,500
McLachlan Drlg	3	dsl	1060	IDECO H44	700	10,000
	1	dsl	650	IDECO H35	300	5,500
	2	dsl	900	IDECO H37	450	7,500
Nicor Drlg	53	dsl-mech	500	BRWSTR DH14210	550	8,400
KALKASKA						
Bigard Drlg, James	15	dsl	600	IDECO H1000	1000	12,000
	14	dsl	600	IDECO H1000	1000	12,000
Cactus Drlg Corp	21	dsl	800	BETH M58	800	12,000
	28	dsl	800	NATL 50A	800	10,000
Provins Drlg, T D	5	dsl	1200	IDECO 1000	1000	12,000
MANISTEE						
Bigard Drlg, James	8	dsl	600	IDECO H44	600	8,500
Miller Expl	3	dsl	750	OIME SL5	1000	18,000
Provins Drlg, T D	2	dsl	1200	IDECO H37	456	8,000
MECOSTA						
Provins Drlg, T D	7	dsl	1200	IDECO H1000	1000	12,000
MISSAUKEE						
Bigard Drlg, James	12	dsl-elec	1000	IDECO ED1200	2000	20,000
L & G Drlg	1	dsl	398	IDECO H35	398	5,000
Provins Drlg, T D	6	dsl	1125	IDECO 700	700	9,000
	10	dsl	1200	IDECO H1000	1000	12,000
	8	dsl	1200	IDECO H1000	1000	12,000
NEWAYGO						
Bigard Drlg, James	17	dsl	550	WILSON 75	900	12,000
OSCEOLA						
Provins Drlg, T D	9	dsl	2100	CABOT/FRANKS 2550HL	1800	20,000
OTSEGO						
Cactus Drlg Corp	16	dsl	800	NATL 50A	800	10,000
PRESQUE ISLE						
Provins Drlg, T D	3	dsl	1200	IDECO 1000	900	10,000

MICHIGAN (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
TUSCOLA						
Provins Drlg, T D	4	dsl	1000	Cooper 550	500	8,000
WEXFORD						
Cardinal Drlg	21	dsl	1000	EMSCO GC500	1000	12,500

MISSISSIPPI

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Wilcox Drillers	6	dsl	555	BETH S45A	400	7,000
	7	dsl	300	BETH 545A		8,000
ADAMS						
Energy Drlg	1	dsl	400	BETH S45A	500	9,000
New & Hughes Drlg	9	dsl	450	Spencer 5000	550	7,000
	3	dsl	450	Spencer 6000	550	7,000
	6	dsl	450	BETH C50	600	11,000
	10	dsl	900	EMSCO GB500	600	11,500
	12	dsl	800	WILSON Giant	800	13,000
Par-Co Drlg	3	dsl	700	Spencer 7000	500	7,000
CALHOUN						
Delta Drlg	65	dsl	2300	EMSCO C1 Type III	2592	18,000
CLARKE						
Nicor Drlg	78	dsl-mech	2125	NATL 100	750	14,000
SEE Land Drlg	11	dsl	945	EMSCO SDR	500	9,000
	7	dsl	1200	BRWSTR N4	325	6,500
Transcontinental Drlg-Jackson	12					
FRANKLIN						
Energy Drlg	2	dsl	535	IDECO H35S	540	9,500
GRAND TRAVERSE						
Nicor Drlg	21	dsl	800	IDECO H35	510	7,000
HANCOCK						
Penrod Drlg	112	dsl	1600	NATL 1625M	3000	30,000
	10	dsl	2600	NATL 1320M	3425	25,000
HINDS						
Delta Drlg	56	dsl	2600	WILSON Super 250	2592	25,000
JASPER						
Chesley Pruet Drlg	12	dsl	3600	EMSCO C2	3600	25,000
Justiss Oil	24	dsl	3600	EMSCO J1400	3000	22,000
Murco Drlg	46	dsl-scr	2800	OILWELL E2000	2000	30,000
Par-Co Drlg	1	dsl	300	IDECO H30	300	6,000
Transcontinental Drlg-Jackson	85					
JEFFERSON						
Justiss Oil	16	dsl	600	EMSCO GB	900	12,000
Wilcox Drillers	5	dsl	700	BETH S45E	550	8,500
JEFFERSON DAVIS						
Marion Drlg	6	dsl	3300	EMSCO Model C3	3300	30,000
Murco Drlg	22	dsl	2400	BRWSTR N95	2400	20,000
JONES						
Chesley Pruet Drlg	16	dsl	3600	EMSCO C2	3600	30,000
Henley Drlg	5	dsl-elec	2600	EMSCO C1	1650	18,000
JHJ Drlg	6	dsl	1000	OIME SL7	1400	17,000
	2	dsl	1300	BRWSTR NE95A	1700	20,000
Marion Drlg	9	dsl-elec	2600	EMSCO C2	3000	25,000
New & Hughes Drlg	14	dsl	1500	EMSCO C2	2000	22,000
Penrod Drlg	24	dsl	2600	BRWSTR N12A	1950	25,000
Rapad Drlg	6	dsl-elec	2000	EMSCO D3	1000	16,000
Tesoro Drlg	7	dsl	2000	NATL 80B	1650	15,000
LAMAR						
Justiss Oil	23	dsl	1800	EMSCO J1100	2400	20,000
Marion Drlg	5	dsl	2400	OILWELL M2000	2400	25,000
LAWRENCE						
Marion Drlg	4	dsl	2400	EMSCO Model C2	2400	25,000
	1	dsl	1800	EMSCO Model M810	1800	18,000
Rapad Drlg	4	dsl-elec	4000	EMSCO C1	2000	25,000
MADISON						
Helmerich & Payne Intl Drlg	72	dsl	2835	OILWELL 3000M	2835	30,000
MARION						
JHJ Drlg	5	dsl	1000	OIME SL7	1400	17,000
Marion Drlg	8	dsl-elec	2400	EMSCO C1	2400	20,000
Noble Drlg	E1102	dsl	1870	EMSCO A1100	1870	18,000
Penrod Drlg	109	dsl	2000	BRWSTR N75A	1760	15,000
Tesoro Drlg	3	dsl	2600	NATL 1320M	2742	25,000

MISSISSIPPI (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
MONROE						
Apollo Drlg Inc	5	dsl	500	NATL 370	550	10,500
Rapad Drlg	5	dsl	950	NATL 370	950	12,000
MONTGOMERY						
Resource Drlg	10	dsl	2330	NATL 110	2740	18,000
PEARL RIVER						
JHJ Drlg	1	dsl-scr	1300	BRWSTR NE95A	1700	20,000
PIKE						
New & Hughes Drlg	11	dsl	900	EMSCO GA500	600	11,500
SEE Land Drlg	3	dsl	1200	GAR-DEN 500	500	9,000
	15	dsl	900	GAR-DEN 1100	1500	18,000
RANKIN						
Chesley Pruet Drlg	15	dsl	4800	EMSCO C3	4800	30,000
Helmerich & Payne Intl Drlg	77	dsl-elec	2200	NATL 110UE	2430	18,000
JHJ Drlg	3	elec-scr	1600	BRWSTR NE12A	2000	25,000
RICHLAND						
Nicor Drlg	59	dsl	1400	NATL 55M	700	14,500
SCOTT						
Murco Drlg	10	dsl	2200	BRWSTR N95	2400	20,000
SIMPSON						
Helmerich & Payne Intl Drlg	74	dsl	3300	OILWELL	3695	30,000
	86	dsl-el-scr	4250	NATL 1625DE	4250	30,000
Transcontinental Drlg-Jackson	91					
	92					
SMITH						
Tesoro Drlg	1	dsl	2600	NATL 1320M	2742	25,000
Transcontinental Drlg-Jackson	84					
WALTHAL						
Exeter Drlg Southern	15	dsl	2550	GAR-DEN 1100	1550	18,000
WARREN						
Exeter Drlg Southern	16	dsl	2600	GAR-DEN 1500	2600	25,000
Justiss Oil	35	dsl	1250	EMSCO J1400	1200	18,000
	7	dsl	1800	EMSCO J1400	2900	20,000
Penrod Drlg	12	dsl	3850	GAR-DEN 1500	2120	20,000
Wilson Bros Drlg	2	dsl	1900	NATL 110	1900	20,000
WILKINSON						
Penrod Drlg	120	dsl	1600	NATL 1625M	3000	30,000
Rebel Drlg	3	dsl	500	IDECO H30	400	9,000
YAZOO						
New & Hughes Drlg	7	dsl	500	M-CSCO U34	525	8,000

MONTANA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Apollo Drlg	6	dsl	1020	OILWELL 76	1020	12,000
Hussar Drlg	2	dsl	450	EMSCO Modified 150	300	6,500
Spartan Drlg	11	dsl	600	Superior 700	1000	10,000
Titan Drlg	2	dsl	1000	OILWELL 760E	1000	16,000
BEAVERHEAD						
Cardinal Drlg	17e	elec	1000	EMSCO D3	1000	18,000
BIG HORN						
Anderson-Myers Drlg	3	dsl	1200	EMSCO G500	1200	11,000
BILLINGS						
Brinkerhoff-Signal	1	dsl	1100	GAR-DEN 800	1100	13,000
BLAINE						
K B Drlg	1	dsl	278	Crdwll A150A Double Drum	185	4,500
CARBON						
Anderson-Myers Drlg	9	dsl	1200	NATL 55	1200	12,000
DANIELS						
Grace-Bomac Drlg	34	dsl	700	BRWSTR N7	700	10,000
Nicor Drlg	61	dsl	1550	NATL 610	750	12,000
DAWSON						
Anderson-Myers Drlg	5	dsl	1000	EMSCO GB500	820	10,000
Grace-Bomac Drlg	59	dsl	1650	NATL 80B	1650	16,000
Penrod Drlg	101	dsl	1684	BRWSTR N46	1080	10,000
Transcontinental Drlg-Denver	82	dsl	1000	GAR-DEN GD700	1470	12,500
FALLON						
Grace-Bomac Drlg	46	dsl	1200	NATL 610	1200	12,500
GLACIER						
Comanche Drlg Co	2	dsl	430	IDECO H30	400	5,000
General Well Serv	21	dsl	1342	Cooper LTD550	400	6,000

MONTANA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
HILL						
Comanche Drlg Co	5	dsl	430	IDECO H30	400	5,000
Elenburg Expl	5	dsl	320	Wlkr-Nr CC2000	180	2,500
K B Drlg	2	dsl	278	Crdwll AH-91 Single Drum	185	5,000
JEFFERSON						
Bawden Drlg Ltd, Peter	14	dsl-scr	2600	NATL 1320UE	2000	22,000
LEWIS & CLARK						
Anderson-Myers Drlg	8	dsl	1800	NATL 80	1800	16,000
LIBERTY						
Elenburg Expl	10	dsl	320	Elenburg	430	6,000
McCONE						
Simmons Drlg	47	dsl	350	Troy M600	350	7,500
TMBR Drlg	19	dsl	700	NATL CA50	700	10,000
MEAGHER						
Molen Drlg	5	dsl	1200	BRWSTR N46	800	10,000
MUSSELSHELL						
Molen Drlg	1	dsl	400	EMSCO GB250T	350	6,500
True Drlg	4	dsl	450	EMSCO GA250T	500	6,500
PARK						
Cardinal Drlg	16e	dsl-elec	1000	EMSCO D3	1000	18,000
PHILLIPS						
Elenburg Expl	8	dsl	320	Wlkr-Nr CC2000	230	2,500
Molen Drlg	2	dsl	800	BRWSTR N46	800	10,000
PONDERA						
General Well Serv	6	dsl	1342	Crdwll MK210	1342	6,000
Simmons Drlg	31	dsl	350	Spencer 6000	350	6,500
POWELL						
Baltic Drlg	34	dsl	800	EMSCO GC350	550	8,500
PRAIRIE						
Cliffs Drlg	6	dsl	1600	NATL 610	1100	12,500
True Drlg	22	dsl	1200	NATL 55	1200	13,000
RICHLAND						
Blocker Drlg Canada	5	dsl	800	BRWSTR N75	1200	13,000
Blocker Drlg-Houston	55					14,000
	58					14,000
Challenger Drlg	1	dsl	900	EMSCO BC500	1000	11,000
Drilcon	3	dsl	784	NATL 50A	784	10,000
Grace-Bomac Drlg	35	dsl	2400	NATL 110M	2400	20,000
	39	dsl	1200	BRWSTR N75	1200	12,500
Kenting Drlg	2	dsl	1200	M-CSCO U40	1200	14,000
	11	dsl	1200	M-CSCO U40	1200	14,000
Noble Drlg	N-89	dsl	800	NATL 80B	800	13,000
	N-82	dsl	1200	NATL 80	1200	15,000
Spartan Drlg	33	dsl	1000	OIME 1500SL	1000	18,000
ROOSEVELT						
Apollo Drlg	8	dsl	1200	OILWELL 76	1200	10,500
Atco Drlg	17	dsl-elec	1800	NATL 610E	750	12,000
Bird Drlg	3	dsl	615	EMSCO 500	800	11,000
Cardinal Drlg	14	dsl	560	EMSCO GB350	840	8,500
Dixilyn-Field Drlg	37	dsl	1600	NATL 80UE	1800	15,000
Grace-Bomac Drlg	26	dsl	1125	GAR-DEN 500M	800	9,000
	50	dsl	1650	NATL 80B	1650	16,000
Transcontinental Drlg-Denver	46	dsl	2000	NATL 80B	1966	15,000
	31	dsl	1200	WILSON 90B	1354	15,000
ROSEBUD						
Atco Drlg	58	dsl-elec	1800	NATL 80UE	1600	15,000
Molen Drlg	3	dsl	700	NATL 50A	700	9,000
Soape Drlg	1	dsl	950	NATL 45	950	7,500
SHERIDAN						
Brinkerhoff-Signal	17	dsl	1560	NATL 80B	1560	14,000
Challenger Drlg	31	dsl	1200	BRWSTR N75	1200	12,000
Grace-Bomac Drlg	37	dsl	1100	GAR-DEN 700M	1100	12,500
Nicor Drlg	62	dsl	1000	NATL 610	750	12,500
Transcontinental Drlg-Denver	39	dsl	1100	GAR-DEN GD800	1300	13,500
TETON						
Aspen Drlg	1	dsl	400	EWBANKS 3500	475	3,500
Atco Drlg	6	dsl	1020	NATL 370	700	8,500
Molen Drlg	4	dsl	1350	BRWSTR N75A	1350	14,000
TOOLE						
Aikins Drlg	2	dsl	200	Bycyrus	200	3,000
Comanche Drlg Co	1	dsl	430	IDECO H30	400	5,000
Elenburg Expl	2	dsl	320	Wlkr-Nr CC2000	230	2,500
General Well Serv	22	dsl	400	Schramm T985HA	400	2,500

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
MONTANA (Cont'd)						
VALLEY						
Drilcon	1	dsl	1125	BETH 450	1125	11,000
	5	dsl	715	IDECO H725	700	11,000
GCO Drlg	3	dsl	820	BDW 650M	650	10,000
Helmerich & Payne Intl Drlg	53	dsl-elec	1200	IDECO H525	800	12,000
YELLOWSTONE						
Molen Drlg	6	dsl-elec	3000	EMSCO C1 Type II	2000	22,000
NEBRASKA						
BOX BUTTE						
Banner Drlg	3	dsl	500	NATL T45	800	9,500
CHERRY						
Banner Drlg	4	dsl	400	Apache 25040	375	5,000
CHEYENNE						
Gear Drlg	2	dsl	300	NATL T32	325	6,000
DEUEL						
Western Well Drlg	3	dsl	350	Failing	350	4,000
DUNDY						
Murfin Drlg	3	dsl	400	NATL T25	400	6,000
HITCHCOCK						
Murfin Drlg	20	dsl	525	NATL 370	600	7,500
MOXA Drlg	1	dsl	540	IDECO 35	380	7,000
Stoeppelwerth Drlg	3	dsl	500	NATL 370	500	6,500
LINCOLN						
Stoeppelwerth Drlg	1	dsl	375	NATL T32	375	5,500
RED WILLOW						
Stoeppelwerth Drlg	2	dsl	350	Crdwll 500L	325	4,500
NEVADA						
CLARK						
Brinkerhoff-Signal	81	dsl-elec	2100	OILWELL 760E	2100	16,000
Continental Drlg	17	dsl-elec	2600	IDECO E1700	1700	19,000
Loffland Bros	211	dsl	1260	M-CSCO U15	1000	10,000
ELKO						
Loffland Bros	1	dsl	1290	M-CSCO U40	1440	13,000
Rio Grande Drlg	6	elec	1350	GAR-DEN 1500E	1195	25,000
WHITE PINE						
Montgomery Mountain Drlg	48	dsl	2000	NATL 110	2000	20,000
NEW JERSEY						
MORRIS						
New Jersey Drlg	T5	dsl	400	Ingersoll	400	5,000
NEW MEXICO						
UNDESIGNATED						
Arapahoe Drlg	10	gas-btne	700	NATL 50A	500	12,000
	3	gas-btne	300	WILSON Mogul	320	6,500
BERNALILLO						
Earl & Son Drlg	1	top drive	1500	Ingersoll	3800	1,500
CHAVES						
Artesia Fishing Tool	2	dsl	500	GAR-DEN	500	6,000
	1	dsl	400	MAYHEW 3000	200	4,000
Cactus Drlg Co	53	dsl	520	BETH S55	670	7,500
Collier Drlg	10	dsl	600	Challenger	475	5,500
Dual Drlg	30	dsl	1400	OILWELL 500	500	7,000
Kenai Drlg of New Mexico	31	dsl	650	MAC 300	400	6,500
L & M Drlg	1	dsl	750	G42	440	7,500
	2	dsl	750	GAR-DEN 3000	380	6,000

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
NEW MEXICO (Cont'd)						
CHAVES (Cont'd)						
La Rue Drlg	1	dsl	650	NATL T20	500	7,000
Tri-Service Drlg	2	dsl	1400	OILWELL 66	900	10,000
TMBR Drlg	30	dsl	350	UNIT U15	500	7,000
Verna Corp	5	dsl	500	WILSON Mogul	500	6,500
W E K Drlg	3	dsl	450	EMSCO S45E	440	6,500
Young Drlg	4	dsl	400	Crdwll K500	600	8,500
	5	dsl	750	Crdwll K500	600	8,000
CIBOLA						
Stewart Bros Drlg	48	dsl	324	Failing 2500	324	3,000
	50	dsl	324	Failing 2500	324	3,000
	53	dsl	324	GAR-DEN 15W	324	1,500
	18	dsl	324	Failing 2500	324	3,000
	15	dsl	324	Failing 3000	324	3,000
	49	dsl	324	Failing 2500	324	3,000
	54	dsl	1000	Failing 100	450	5,000
	47	dsl	324	Failing 2500	324	3,000
	52	dsl	324	GAR-DEN 15W	324	1,500
	17	dsl	324	Failing 2500	324	3,000
EDDY						
Ard Drlg	5	dsl	1986	M-CSCO U20	1800	15,000
	3	dsl	1400	M-CSCO U40	1200	15,000
	1	dsl	600	SPENCER	670	8,500
	2	dsl	1986	M-CSCO U20	1800	18,000
Cactus Drlg Co	73	dsl	454	EMSCO U34	454	6,000
Cactus Drlg Corp	25	dsl	1100	IDECO 711	1100	13,000
Dual Drlg	14	dsl	1900	OILWELL 760	1000	15,000
	19	dsl	1850	OILWELL 760	1000	16,000
Hondo Drlg	10	dsl	1250	BRWSTR N75A	1250	15,000
	11	dsl	1050	M-CSCO U15	700	10,000
Kenai Drlg of New Mexico	21	dsl	1350	UNIT U20	1350	15,000
	37	dsl	1750	NATL 100M	1750	18,000
M G F Drlg-Midland	22	dsl	1500	OILWELL 760	1500	15,000
	26	dsl	1725	GAR-DEN 1100	1725	19,000
	25	dsl	1725	BRWSTR N95	1725	19,000
McVay Drlg	10	dsl	1300	NATL 100	1300	16,000
	7	dsl	1200	NATL 75CA	1200	13,000
	9	dsl	1400	NATL 110	1400	18,000
Moranco	1	dsl	1100	OIME 1000SL	1000	15,000
Parker Drlg	2	dsl	1200	OIME SL1000P	1200	14,000
	161	gas	1000	NATL 75	1000	16,000
	58	dsl	1650	NATL 100M	1650	16,000
	34	gas	1000	NATL 75	1000	16,000
Quarles Drlg (OK)	15	dsl	2000	RMI 1000	1000	15,000
Resource Drlg	6	dsl	2330	NATL 110	2740	18,000
Rio Colorado Drlg	131	dsl	1100	IDECO H40	600	8,000
Sharp Drlg	72	dsl-elec	2160	OILWELL 840E	2430	22,000
	35	dsl	2331	BETH 1013	2742	23,000
T O T Drlg	4	dsl	1155	OIME SL5	1155	15,000
TMBR Drlg	7	dsl	700	NATL 75CA	700	13,000
Verna Corp	17	dsl	550	M-CSCO U15	650	11,500
	16	dsl	600	BRWSTR N14	450	6,500
W E K Drlg	1	dsl	770	M-CSCO U34	380	7,500
Warton Drlg	6	gas	1700	NATL 80B	1320	16,000
	3	dsl	3300	NATL 110	3300	18,000
	5	dsl	1270	NATL 50A	1370	11,000
LEA						
Ard Drlg	6	dsl	1200	M-CSCO U15	1200	11,500
	7	dsl	1200	M-CSCO U40	1200	14,000
Cactus Drlg Co	60	dsl	520	Beth S45E	454	6,500
	71	dsl	520	EMSCO U36A	950	10,000
	68	dsl	520	IDECO H30	454	6,000
Cactus Drlg Corp	27	dsl	2550	BRWSTR N20	2550	30,000
	23	dsl	2550	NATL 110	2550	14,000
	8	dsl	1200	BRWSTR N7	1200	11,000
Delta Drlg	3	dsl	2300	EMSCO C1 Type III	2331	18,000
Forex Neptune and/or Affil	50	dsl-elec	3200	GAR-DEN 1500E	2000	21,700
Hondo Drlg	6	dsl	1000	M-CSCO U15	700	10,000
	12	dsl	1250	GAR-DEN 800	1250	15,000
	5	dsl	1100	NATL 55C	800	13,000
	3	dsl	1100	BETH M58C	800	13,000
	1	dsl	875	M-CSCO U15	700	10,000
Kenai Drlg of New Mexico	22	dsl	1700	EMSCO J1100	1700	15,000
	36	dsl	650	WILSON Giant	700	10,500
	23	dsl	1800	EMSCO JB1250	1800	15,000
Kenai Drlg of Texas	14	dsl	700	EMSCO GC500	800	11,500
La Rue Drlg	2	dsl	500	GAR-DEN 3000	500	6,000
Landis Drlg	4	dsl	800	BRWSTR N45	700	10,000
	1	dsl	1000	BDW 650M	1000	13,000
	2	dsl	1000	BRWSTR N75	1350	14,000
	3	dsl	800	BRWSTR N55	900	11,500
M G F Drlg-Midland	23	dsl	1150	OILWELL 76	1150	13,500
McVay Drlg	4	dsl	850	NATL 75	850	12,000
	8	gas	1200	NATL 80B	1200	15,000
Mid-America Drlg & Expl	3	dsl	1750	UNIT U712A	1950	18,000
Moranco	6	dsl	750	BRWSTR N75	750	12,000
	9	dsl	750	BRWSTR N55	750	11,000
	10	dsl	1100	M-CSCO	750	11,000
	5	dsl	750	M-CSCO U15	750	11,000
	7	dsl	1100	BRWSTR N75	1000	15,000
	3	dsl	1100	M-CSCO 712A	1000	15,000
	2	dsl	1100	EMSCO GB800	1000	15,000
Parker Drlg	211	gas	1000	NATL 75	1000	16,000
	65	gas	1600	NATL 100M	1600	23,000
	38	gas	1200	NATL 100M	1200	18,000
	90	gas	1800	NATL 130	1800	25,000
	85	gas	1600	NATL 130	1600	23,000

NEW MEXICO (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
LEA (Cont'd)						
Republic Drlg & Serv	1	dsl-elec	1450	OILWELL 740E	1000	14,000
Resource Drlg	RD-23	dsl	1040	NATL 610	1220	12,000
Rio Colorado Drlg	142	dsl	1825	NATL 110	1650	18,000
Sharp Drlg	63	dsl	1500	EMSCO D3	1836	18,000
	65	dsl	1560	EMSCO D3	1836	18,000
	36	dsl	2331	BETH MC950	2742	22,000
	62	dsl	1132	EMSCO D3	1272	14,000
	32	dsl	1185	EMSCO 800	1482	16,500
T O T Drlg	1	dsl	1155	OIME SL5	1155	15,000
Tri-Service Drlg	8	gas-btne	750	OILWELL 76	750	13,000
	5	gas-btne	1800	OILWELL 760	1400	16,000
Verna Corp	34	dsl	1000	EMSCO A800	1200	15,000
	14	dsl	500	WILSON Mogul 42	550	7,000
	7	dsl	700	M-CSCO U15 Type	800	11,000
Vision Drlg	3	dsl	800	Wlkr-Nr 25040	425	6,000
W E K Drlg	2	dsl	1200	IDECO H35	480	12,000
Warton Drlg	7	dsl	1200	NATL 75	1300	13,000
	8		900	CABOT/FRANKS M750	635	7,000
	9	dsl-elec	750	NATL 610E	2100	14,000
	1	gas	1650	BRWSTR N75	1650	13,000
	4	gas	1300	NATL 100	1650	16,000
Willbros Drlg	1	dsl	1200	OILWELL 76	1200	14,000
	6	dsl	800	EMSCO G500	800	12,000
	5	gas	1100	BETH 450	1100	13,000
LUNA						
Willbros Drlg	7	dsl	1400	EMSCO A800	1400	16,000
QUAY						
Collier Drlg	12	dsl				7,000
RIO ARRIBA						
Arapahoe Drlg	6	dsl	300	NATL T32	350	8,000
	4	gas-btne	700	NATL 50A	500	12,000
Aztec Well Serv	124	dsl	600	WILSON 75	1100	10,000
	75	dsl	360	CRDWLL KM210	400	4,500
Bayless Drlg	2	dsl	750	CHALLENGER M280	400	4,000
Young Drlg	2	dsl	600	IDECO DIR701	600	8,500
ROOSEVELT						
Republic Drlg & Serv	6	dsl	800	IDECO 525	1000	10,000
	7	dsl	800	IDECO 525	1000	10,000
Vision Drlg	2	dsl	700	Wlkr-Nr 25040	425	6,000
ROSWELL						
Dual Drlg	31	dsl	1600	OILWELL 500	500	7,000
SAN JUAN						
Aztec Well Serv	56	dsl	400	WILSON Mogul	350	6,000
	171	dsl	600	WILSON M75	700	
	222		750	WILSON M75	1100	
	184	dsl	600	WILSON M75	1100	
	50	dsl	400	WILSON Mogul	350	6,000
Bayless Drlg	7	dsl	1500	GAR-DEN GD700	1200	13,000
	5	dsl	1500	COOPER LTO550	550	8,500
	1	dsl	1500	IDECO H1000	950	10,000
Energy Search Drlg	2	dsl	1500	CABOT/FRANKS 900	900	10,000
Four Corners Drlg	8	dsl	1500	Crdwll KB500	750	8,000
	11	dsl	1500	Crdwll KB500	636	8,000
	7	dsl	1500	Crdwll KB500	750	8,000
	10	dsl	1500	Crdwll Drlg	750	8,000
	12	dsl	1500	Crdwll KB500	636	8,000
	6	dsl	1500	Crdwll KB500	700	8,000
	9	dsl	1500	Crdwll KB500	750	8,000
	3	dsl	1500	Crdwll KB500	700	8,000
	5	dsl	1500	Crdwll KB500	700	8,000
LLL Drlg	2	dsl	1720	CABOT/FRANKS 750	860	10,000
Young Drlg	3	dsl	400	WILSON 75	600	8,500
SANDOVAL						
Brinkerhoff-Signal	78	dsl	1600	NATL 610	1100	12,500
Four Corners Drlg	2	dsl	1500	Crdwll KB500	700	8,000
SIERRA						
Cactus Drlg Corp	14	dsl	1200	OILWELL 66	1200	11,000
TMBR Drlg	12	dsl	700	NATL 50	600	10,500
TRAVIS						
Vision Drlg	1	dsl	600	Wlkr-Nr 25040	425	6,000
UNION						
Baker & Taylor Drlg	18	dsl	700	EMSCO GB250T	465	6,000

NEW YORK

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ALLEGHENY						
Fairman Drlg	7	dsl	350	IDECO H44	550	8,000
CATTARAUGUS						
Union Drlg	15	dsl	1200	IDECO BIR5525	425	6,000

NEW YORK (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
CHAUTAUQUA						
Caster Well Drlg	2	dsl		Jaswell		3,500
	1	dsl		Jaswell	150	2,400
Delta Drlg	78	dsl	250	IDECO H35KD	291	6,000
International Petr Serv	6	dsl	475	WILSON 42	475	7,500
	9	dsl	475	Challenger Model 320HD	360	4,500
	7	dsl	475	Challenger Model 320	360	4,000
Underwater Gas Dev	7	dsl	320	Challenger 320	320	5,000
	5	dsl	250	Failing 3500	250	5,000
	6	dsl	200	Ingersoll T5	350	5,000
	4	dsl	320	Challenger 320	320	5,000
	2	dsl	200	Ingersoll T-5	350	5,000
	1	dsl	250	Failing 3500	200	4,000
WYOMING						
International Petr Serv	2	dsl	275	CP-7000	375	4,000

NORTH DAKOTA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Bird Drlg	5	dsl	615	NATL 370	800	9,500
Titan Drlg	1	dsl	800	OILWELL 500	800	10,000
Westburne Drlg Canada	64	dsl	1680	UNIT U914C	1680	18,000
BILLINGS						
Bird Drlg	7	dsl	615	U36A	800	11,500
	8	dsl	615	NATL 610	800	13,000
Brinkerhoff-Signal	11	dsl	1500	NATL 80B	1500	15,000
Cardinal Drlg	7	dsl	864	EMSCO GB500	864	10,500
	1	dsl	864	BDW 800	1140	14,000
	11	dsl	864	BDW 800	1140	14,000
	10	dsl	1296	EMSCO GB800	1296	13,500
	22	dsl	1554	NATL 80B	1554	15,000
Enopco	2	dsl	1890	NATL 610	1080	13,000
Grace-Bomac Drlg	33	dsl	1650	OILWELL 96	1650	14,000
Helmerich & Payne Intl Drlg	88	dsl	1815	OILWELL 860	1815	16,000
Westburne Drlg	59	dsl	1100	IDECO M750D	800	10,000
BOTTINEAU						
Cardinal Drlg	3	dsl	400	NATL T20	400	5,500
	8	dsl	400	NATL T20	440	5,500
	12	dsl	560	SOS 6000	480	6,500
BOWMAN						
Kenai Drlg Rocky Mountain	26	dsl	1000	WILSON Atlas	1150	14,000
Noble Drlg	N-57	dsl	800	NATL 55	800	12,000
Penrod Drlg	104		2000	NATL 80B	1760	15,000
BURKE						
Bird Drlg	4	dsl	450	EMSCO GB350	700	9,000
Cardinal Drlg	5	dsl	541	EMSCO GB250	560	7,500
Grace-Bomac Drlg	21	dsl	650	IDECO H35SC	350	7,000
	27	dsl	1125	BRWSTR N55	800	9,500
	31	dsl	1325	BETH S45E	625	8,000
DIVIDE						
Brinkerhoff-Signal	5	dsl	1500	NATL 80	1500	15,000
Grace-Bomac Drlg	30	dsl	1650	OILWELL 96	1650	18,000
Kenting Drlg	1	dsl	1500	NATL 80B	1500	15,000
Westburne Drlg	62	dsl	1050	NATL 50A	1200	11,000
Westwind Drlg	59	dsl		NATL 80B	1800	15,000
DUNN						
Drlicon	2	dsl	1176	NATL 80B	1176	14,500
Dual Drlg	3	dsl	1500	WILSON 120	1650	15,000
	27	dsl	1900	EMSCO D3	1000	16,000
	17	dsl	1550	BETH M58	700	12,500
Grace-Bomac Drlg	92	dsl	1100	GAR-DEN 700M	1100	12,500
	52	dsl	1650	NATL 80B	1650	16,000
	41	dsl	700	BRWSTR N7	700	10,000
	53	dsl	1650	NATL 80B	1650	16,000
Helmerich & Payne Intl Drlg	38	dsl	1230	NATL 80	1365	16,000
Noble Drlg	OW-861	dsl	2400	OILWELL 860	2400	18,000
Ratliff Drlg	15	dsl	1650	NATL 80B	1650	18,000
Transcontinental Drlg-Denver	81	dsl	1000	GAR-DEN GC800	1470	15,000
Westburne Drlg	63	dsl	1000	OIME SL7	1400	15,000
	61	dsl	1050	NATL 55	1320	12,500
GOLDEN VALLEY						
Kenai Drlg Rocky Mountain	1	dsl	2450	EMSCO A800	2450	15,000
Noble Drlg	814	dsl	1606	NATL 80B	1606	15,000
McKENZIE						
Blocker Dirg-Houston	54					14,000
Blocker Drlg Canada	2	dsl	1000	OIME 1000SL	1500	16,000
	7	dsl	770	OIME 750SL	1155	14,000
	9	dsl	770	OIME 750SL	1155	14,000
	10	dsl	770	OIME SD3	770	10,000
	11	dsl	1000	NATL 80B	1500	15,000
	8	dsl	770	OIME 750SL	1155	14,000
	3	dsl	770	OIME 750SL	1155	14,000
	1	dsl	1000	OIME 1500SL	1500	18,000

NORTH DAKOTA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
McKENZIE (Cont'd)						
Blocker Drig-Houston	53					14,000
	52					16,000
	30					12,000
	51					18,000
Brinkerhoff-Signal	74	dsl	1500	GAR-DEN GD800	1500	15,000
	10	dsl	1000	M-CSCO U40	1000	13,000
	80	dsl	1500	NATL 80B	1500	16,000
Burris Drig	102	dsl	1000	GAR-DEN 700	1000	14,500
	101	dsl	1500	GAR-DEN 1100M	1500	20,000
	103	dsl	1000	GAR-DEN 700	1000	14,500
Dixilyn-Field Drig	35	dsl	1600	NATL 80UE	1800	15,000
Drilcon	4	dsl	1800	NATL 110	1800	15,000
Forwest	5	dsl-el-scr	2000	NATL 80UE	2000	16,000
Grace-Bomac Drig	42	dsl	1100	GAR-DEN 700M	1100	12,500
	36	dsl	1650	NATL 80	1650	15,000
	25	dsl	1650	NATL 80B	1650	15,000
	58	dsl	1650	NATL 80B	1650	16,000
	54	dsl	1200	NATL 610	1200	12,500
	55	dsl	1650	GAR-DEN 800M	1650	16,000
	48	dsl	1650	GAR-DEN 800M	1650	16,000
	51	dsl	2400	NATL 110M	2400	20,000
	47	dsl	1650	NATL 80B	1650	16,000
	38	dsl	1100	GAR-DEN 700M	1100	12,500
	57	dsl	1650	GAR-DEN 800M	1650	16,000
	40	dsl	1100	OILWELL 76	1100	13,000
Helmerich & Payne Intl Drig	15	dsl	1230	OILWELL 76	1365	15,000
Kenai Drig Rocky Mountain	33	dsl	800	WILSON Giant	1000	12,000
Kenting Drig	14	dsl	1500	NATL 80B	1500	15,000
	6	dsl	1500	BRWSTR N85	1500	15,000
	30-E	dsl-elec	2000	NATL 80UE	1000	15,000
Nicor Drig	16	dsl	1550	OILWELL 76	1000	15,000
	27	dsl	1850	BRWSTR N95	1200	16,000
Noble Drig	N-811	dsl	1606	NATL 80B	1606	15,000
	N-810	dsl	1606	NATL 80B	1606	15,000
Penrod Drig	105	dsl	1575	NATL 80B	1760	15,000
	103	dsl	1760	NATL 80B	2000	20,000
Ratliff Drig	6	dsl	1650	EMSCO GB800	1650	17,000
Republic Drig & Serv	2	dsl-elec	1200	OILWELL 740E	1000	14,000
Shelby Drig	52	dsl	1500	OIME SL7	1500	16,000
Tierra Drig	14	dsl-elec	1000	BDW 800MX	750	14,000
True Drig	23	dsl	1800	M-CSCO U712A	1800	16,000
	17	dsl	1350	NATL 50A	1000	12,000
	21	dsl	1800	NATL 80B	1800	15,000
TMBR Drig	23	dsl	1100	NATL 75CA	1100	14,000
	22	dsl	700	BRWSTR N75	750	14,000
	16	dsl	700	NATL 50CA	600	10,500
	28	dsl	1650	GAR-DEN 800	1650	16,000
Westwind Drig	56	dsl		NATL 80B	1800	15,000
MOUNTRAIL						
Bird Drig	2	dsl	455	NATL 370	500	8,000
Blocker Drig Canada	4	dsl	770	OIME 750SL	1155	14,000
Transcontinental Drig-Denver	50	dsl	820	GAR-DEN GD800	1470	13,500
OLIVER						
Elenburg Expl	11	dsl	430	Elenburg 6000	430	6,000
RENVILLE						
Cardinal Drig	6	dsl	560	EMSCO GB250	440	6,500
SHERIDAN						
Cardinal Drig	35	dsl	560	SOS 6000S	460	7,500
STARK						
Anderson-Myers Drig	6	dsl	1800	EMSCO GB800	1800	15,000
Cardinal Drig	9	dsl	720	NATL 50CA	720	11,500
Cliffs Drig	14	dsl	1200	EMSCO J1250	900	15,000
Enopco	4	dsl	1890	NATL 610	1080	13,000
Grace-Bomac Drig	49	dsl	1650	GAR-DEN 800M	1650	16,000
	45	dsl	1650	GAR-DEN GD800	1650	16,000
Noble Drig	N-84	dsl	1320	NATL 80B	1320	15,000
WILLIAMS						
Anderson-Myers Drig	16	dsl	2300	NATL 55	1200	13,000
Brinkerhoff-Signal	77	dsl	1500	GAR-DEN 800M	1500	13,500
Challenger Drig	22	dsl	1400	NATL 110	1800	18,000
Forwest	3	dsl-el-scr	2000	IDECO 1200E	1600	16,000
	4	dsl-el-scr	2000	IDECO 1200	1600	16,000
Grace-Bomac Drig	60	dsl	1650	NATL 80B	1650	16,000
Kenai Drig Rocky Mountain	12	dsl	850	NATL 50A	950	10,000
	27	dsl	1000	NATL CA75	1150	14,000
Nicor Drig	25	dsl	1600	NATL 125	1200	15,000
	17	dsl	1400	OILWELL 76	1000	15,000
	40	dsl-elec	1700	OILWELL 660E	700	12,000
Noble Drig	E551	dsl	800	EMSCO A550	800	13,000
	E552	dsl	800	EMSCO A550	800	13,000
Prust-Ram-Co	1	dsl-elec	2000	EMSCO D3	2000	18,000
	2	dsl	3000	EMSCO C1	3000	20,000
	5	dsl	1800	EMSCO D2	1200	14,000
	3	dsl	1800	EMSCO D2	1200	15,000
	4	dsl	2000	EMSCO D3	2000	18,000
Shelby Drig	54-E	dsl-elec	1000	NATL 370ESCR	650	10,000
WILLISTON						
Rocky Mountain Drig	4	dsl	1050	UNIT U36A	1050	10,000

OHIO

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
HARDIN						
Sheldon & Son, R H	1	dsl	450	Wlkr-Nr 25040	350	6,000
HARRISON						
Mid Atlantic Oil	3	dsl				
HOCKING						
Beverly Drig	2	dsl	3000	GAR-DEN	350	4,000
	1	dsl	2600	IDECO	600	6,000
Wilson Inc, Les	11	dsl	300	IDECO H35	300	5,000
	17	dsl	500	IDECO H37	550	6,000
NOBLE						
Mid Atlantic Oil	1	dsl	400	IDECO Rambler 5525	400	7,000
PERRY						
Mid Atlantic Oil	2	dsl		IDECO Rambler 5525	480	7,000
PORTAGE						
P E P Drig	3	dsl	650	NATL T45	600	7,500
TRUMBULL						
Armstrong Drig	11	dsl	380	CABOT/FRANKS	380	7,500
	27	dsl		WILSON Mogul 42	280	7,500
WASHINGTON						
Mutual of America	4	dsl	220	Waleneer R2	280	5,000
	2	dsl	145	Mayhew 3000	280	3,000
WAYNE						
Armstrong Drig	12	dsl	380	MAYHEW 3000	318	4,000
	10	dsl	380	MAYHEW 3000 Port	350	4,000

OKLAHOMA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Austin & Sons, Jimmie		dsl	1000	BDW 800MI	900	15,000
		dsl	900	BRWSTR N75	900	14,000
		dsl	900	EMSCO 450	900	12,000
		dsl	900	M-CSCO U36	900	12,000
Austin Drig		dsl	900	M-CSCO U3657	1000	12,000
		gas	700	BRWSTR N75	900	14,000
		gas	600	M-CSCO	700	11
Austin-Dunham		gas	1000	BRWSTR 75	1000	15,000
		gas	350	NATL 50	600	12,000
		dsl	850	BRWSTR N75	850	15,000
ACT Drig	1	dsl	1750	GAR-DEN 6D 800	1000	16,000
	2	dsl	1750	NATL 125	1950	23,000
Dawn Oilfield Oper	26	dsl		IDECO H35		8,700
	25	dsl		WILSON 42		7,000
	27	dsl	550	IDECO H37		8,500
Durkee Drig	10	dsl-el-scr	4000	IDECO E2100S	2000	25,000
	1	dsl-el-scr	2000	Dreco 1000UE	1000	16,000
	3	dsl-el-scr	4000	Dreco 2000UE	2000	25,000
	2	dsl-el-scr	2000	Dreco 1000UE	1000	18,000
	4	dsl-el-scr	4000	Dreco 2000UE	2000	25,000
Eason Oil	26	dsl-elec	3200	EMSCO C3E	3000	30,000
Iron Drig	2	dsl	900	UNIT U15	600	9,000
	3	dsl	1050	BETH S45E	600	8,000
	1	dsl	500	UNIT U35A	450	7,000
Northeast Drig	1	dsl	400	IDECO BIR3084	300	6,200
Parker Drig	223	dsl	2000	OIME 1000C	1000	25,000
Quarles Drig (OK)	5	dsl	850	NATL 50A	500	12,000
	4	gas	1400	EMSCO GB 500	500	12,000
	19	dsl	1800	OILWELL 96	1200	15,000
	16	dsl	2000	IDECO Super 711	1100	17,000
	10	dsl	2700	M-CSCO U914C	2400	22,000
Santa Fe Drig	SFW-18	dsl-elec	1700	OILWELL E2000	2000	25,000
	SFDLI-20	dsl-elec	3400	OILWELL E2000	2000	25,000
	SFM 8	dsl	2700	OIME SD7E	900	20,000
	SFW-22	dsl-elec	2600	NATL 110UE	1500	17,000
	SFW-17	dsl-elec	1300	NATL 100	2000	14,000
	SFM 6	dsl	1200	OIME SL7	900	16,000
	SFDLII-21	dsl-elec	2600	NATL 110UE	1500	17,000
	SFM 4	dsl	1550	OIME SL1500	1500	18,000
	SFM 11	dsl	1900	GAR-DEN 800	1000	15,000
	SFM 12	dsl	2050	GAR-DEN 800	1000	15,000
	SFM 1	dsl	920	NATL 50A	450	11,000
	SFM 15	dsl	1450	BDW 800MI	800	15,000
	SFM 7	dsl	1200	OIME SD5	750	12,000
	SFW-19	dsl-elec	3400	OILWELL E2000	2000	25,000
	SFM 14	dsl	1450	BDW 800MI	800	15,000
	SFW-7	dsl-elec	2600	EMSCO C3111	3000	30,000
	SFM 5	dsl	1200	OIME SD5	750	12,000
	SFM 9	dsl	1600	BDW 800MX	800	16,000
	95	dsl-elec	2800	OILWELL E2000	1500	20,000
	SFW-15	dsl-elec	1600	EMSCO C111	2000	30,000
	SFM 2	dsl	1400	IDECO ED900	900	14,000
	SFM 3	dsl	1250	OIME 1000SL	900	14,000

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED (Cont'd)						
Santa Fe Drlg Mid-Continent	12M	dsl	1000	GAR-DEN 800M	1000	16,000
Smith & Stovall Drlg	9	dsl	1300	MESA 1500	1500	18,000
	7	dsl	1300	BRWSTR N95	2000	23,000
	10	dsl	1450	GAR-DEN 1100	2000	21,000
	8	dsl	1300	MESA 1500	1500	18,000
	5	dsl	1300	BRWSTR N12	2000	21,000
Titan Drlg	4	dsl	1200	GAR-DEN 1500E	1200	23,000
Triad Drlg	11	dsl	1650	WILSON 120	1650	20,000
Unit Drlg & Expl	15	dsl	1300	MCSC[illegible] 914C	1350	25,000
	25	dsl	600	GAR-DEN 700	1300	16,000
	18	dsl	1000	GAR-DEN 700	1300	16,000
	27	dsl	1600	GAR-DEN 1500	2400	25,000
	21	dsl	1000	GAR-DEN 700	1300	16,000
	26	gas	600	NATL 75	600	15,000
	22	gas	495	NATL 50	600	10,000
	16	dsl	600	UNIT U15	800	11,000
	8	dsl	1000	NATL 55	1588	15,000
Warren Interstate Drlg	1	dsl	1000	CABOT/FRANKS 2042TDHT	700	10,700
Westburne Drlg Canada	70	dsl	1050	NATL 50A	700	8,500
	67	dsl	1725	OILWELL 96	1725	20,000
	71	dsl	1560	OILWELL 860	1560	18,000
	68	dsl	1950	M-CSCO U1220D	1950	20,000
ALFALFA						
Thomas Drlg	2	dsl	300	NATL T32	300	7,300
	8	dsl	300	IDECO H35	300	7,500
ATOKA						
Butler-Johnson	11	dsl-elec	2000	NATL 110UE	2000	20,000
BEAVER						
Damac Drlg	3	dsl	620	WILSON Mogul	620	9,500
Drillers	23	dsl	600	UNIT U15	600	10,000
Hudson Drlg, Leonard	5	dsl	900	BRWSTR N7	900	11,500
Pilgrim Drlg	5	dsl	775	NATL 50CA	950	12,000
Robinson Bros Drlg	10	dsl	600	BRWSTR N45	600	19,000
Sage Drlg	6	dsl	400	EMSCO 350	400	8,500
Service Drlg (OK)	4	dsl	1000	UNIT RU15	800	10,000
Service Drlg (TX)	8	dsl	800	M-CSCO U15	630	7,000
Smart Drlg	3	dsl	820	M-CSCO Unit U15A	980	13,000
Triad Drlg	1	dsl		NATL T32	475	8,000
Unit Drlg & Expl	7	dsl	500	UNIT U15	800	11,000
	4	dsl	500	UNIT U15	800	11,000
Zenith Drlg	1	dsl	700	BRWSTR N75	700	9,500
BECKHAM						
Atco Drlg	61	dsl-elec	2600	EMSCO IIC	2000	20,000
Atco Drlg Southern	14	dsl-elec	3200	NATL 1320E	2000	22,000
Big Chief Drlg	45	dsl	1500	BRWSTR N95A	2250	18,000
	37	gas	1350	EMSCO J1250	1350	16,000
Blocker Drlg-Houston	46					20,000
	45					20,000
Cactus Drlg Co	3	dsl	1560	NATL 80B	1800	15,000
Challenger Drlg	7-E	dsl	900	NATL 80E	1000	14,000
Continental Drlg	9	dsl-elec	2000	IDECO ED1200	1200	16,000
	33	dsl-elec	2600	IDECO E1700	1700	19,000
	35	dsl-elec	2600	IDECO E1700	1700	19,000
Eason Oil	24	dsl-elec	2600	EMSCO C1E	1500	21,000
Grace/T R G Drlg	18	dsl-elec	2200	GAR-DEN 1500E	2400	22,000
	130	dsl-elec	2200	GAR-DEN 1100E	2400	18,000
	10	dsl-elec	3000	GAR-DEN 3000E	3000	30,000
Helmerich & Payne Intl Drlg	54	dsl	1100	OILWELL 76	1210	16,000
	97	dsl-scr	3400	OILWELL E2000	2000	26,000
	46	dsl	1100	EMSCO GB800	1210	15,000
Kelley & Kerr Drlg	KK-3	dsl-elec	2000	OIME SD7	1500	18,000
Lanex Drlg	B-18	dsl-scr	2700	GAR-DEN 1100E	1500	20,000
Loffland Bros	34	dsl-elec	3500	M-CSCO U1220	2500	28,000
	317	dsl	2250	GAR-DEN 1500	2500	24,000
Moran Bros	31	dsl-elec	2900	IDECO E2500	2500	25,000
	66	dsl	1300	BRWSTR N75A	750	15,000
	36	dsl-el-scr	2300	BRWSTR N12	1500	20,000
Nowotny & Conley Drlg	5	dsl-elec	3200	EMSCO C3 Type II	3000	30,000
Parker Drlg	212	dsl	3200	OIME 2000	2000	25,000
	182	dsl	3000	OIME Hercules 3000E	3000	30,000
	54	gas	1800	NATL 130	1800	25,000
	192	gas	1200	OIME 1000	1200	16,000
	201	dsl	4600	OIME E4000	4000	50,000
Penrod Drlg	129	dsl	1000	NATL 80B	1760	15,000
	126	dsl	1000	NATL 80B	1760	15,000
Quarles Drlg (OK)	3	dsl	2000	OIME 1000	1000	18,000
Ratliff Drlg	5	dsl	1100	NATL 75CS	1100	15,000
Robinson Bros Drlg	24	dsl-elec	3200	EMSCO Electra Hoist	2000	25,000
Rosamond Drlg	8	dsl	2325	NATL 130	2475	25,000
Rowan Drlg US	9	dsl-elec	2600	NATL 1625-DE	2000	25,000
	18	dsl	3200	EMSCO A1500	2500	30,000
Santa Fe Drlg Mid-Continent	14M	dsl	700	BDW 800	1000	14,000
Santa Fe Drlg Western	7	dsl-elec	2600	EMSCO C111	2700	30,000
BECKHAM (Cont'd)						
Tierra Drlg	20	dsl-elec	800	BDW 800	800	14,000
	22	dsl-elec	800	BDW 800	800	14,000
	12	dsl-elec	750	BDW 800MX	1000	14,000
	21	dsl-elec	800	BDW 800	800	14,000
Trigg Drlg	7	dsl	1200	BRWSTR N95	1600	20,000
	8	dsl	1200	NATL 125	1600	20,000
	2	gas-btne	700	NATL 75	900	12,000
U R C Drlg	5	dsl	2250	M-CSCO 1220	2250	25,000
	4	dsl-elec	1500	M-CSCO 914C	1500	22,000
Unit Drlg & Expl	12	dsl-elec	1350	GAR-DEN 1500	2000	25,000
Viersen & Cochran Drlg	16	dsl	3200	NATL 1320UE	3417	25,000
Willbros Drlg	10	dsl-el-scr	3000	IDECO E1700	3000	25,000
BLAINE						
Bonray Drlg	22	dsl	800	IDECO H525	800	9,500
	8	dsl	850	COOPER 750	650	10,000
Hughes Drlg	3	dsl	1100	IDECO 725	900	13,000
Mercury Drlg	2	dsl	750	EMSCO Unit U15	940	12,000
Ratliff Drlg	12	dsl	700	GAR-DEN 500M	700	12,000
Trend Drlg	9	dsl	2000	BDW 800	1200	18,000
	5	dsl	1650	M-CSCO Unit U15CA	1200	11,000
Viersen & Cochran Drlg	2	dsl	800	NATL 55	800	12,000
	22	dsl	1245	NATL 610	1245	12,000
BRYAN						
Basin Drlg	5	dsl	600	EMSCO D2	820	13,000
Grace/T R G Drlg	1	dsl	1245	NATL 75	1305	13,500
Moran Drlg, E W	21	dsl	1600	WILSON 120	1100	15,000
CADDO						
Arden Drlg	12	dsl-elec	2600	NATL 110UE	1500	22,000
	3	dsl	2500	EMSCO C1	1500	20,000
Atco Drlg Southern	9	dsl-elec	3200	NATL 110	1500	18,000
	16	dsl-elec	3200	NATL 110UE	1500	18,000
Big Chief Drlg	44	dsl	2400	BRWSTR N95	2400	20,000
	46	dsl-el-scr	3000	EMSCO Electrohoist III	4200	25,000
	35	gas	2610	NATL 110	2610	20,000
	25	dsl	3000	NATL 110	2000	20,000
Brinkerhoff-Signal	15	dsl	2000	GAR-DEN 1500	2000	20,000
C E C Drlg	4	dsl	1400	GAR-DEN 500	800	12,000
Cactus Drlg Co	33	dsl	1560	NATL 110	1740	16,000
Challenger Drlg	71	dsl	4000	GAR-DEN 2100E	2000	22,000
Continental Drlg	34	dsl-elec	3200	IDECO E2100	2100	25,000
Dual Drlg	15	dsl	2600	WILSON 150A	1650	19,000
	32	dsl	2800	OILWELL 840	1500	22,000
	20	dsl	2800	OILWELL 860	1400	22,000
	33	dsl	2800	OILWELL 840	1500	22,000
Eason Oil	17	dsl	2300	EMSCO C1	1500	21,000
F-W Drlg	15	dsl	1000	IDECO H725	800	12,500
Grace/T R G Drlg	137	dsl-elec	2200	GAR-DEN 1500E	2400	22,000
	11	dsl-elec	2000	GAR-DEN 1100E	2400	18,000
	136	dsl-elec	2200	GAR-DEN 1500E	2400	22,000
	22	dsl	1290	NATL 80B	1305	14,500
Helmerich & Payne Intl Drlg	76	dsl	1650	OILWELL 760	1815	16,500
	96	dsl-scr	1600	NATL 80UE	800	15,000
Lagersen Drlg	7	dsl-elec	2000	EMSCO CIE	2500	22,000
Mercury Drlg	10	dsl	1000	GAR-DEN 800	2000	18,000
	7	dsl	1000	GAR-DEN 800M	2000	18,000
Moran Bros	33	dsl-el-scr	2300	NATL 110UE	1500	20,000
Moran Drlg, E W	22	dsl-elec	3200	EMSCO C3	3000	30,000
	25	dsl-elec	3200	GAR-DEN 3000E	3200	40,000
	10	dsl-elec	2600	GAR-DEN 1500	2000	25,000
Nicor Drlg	32	dsl-elec	2700	M-CSCO 1220EB	2000	25,000
	33	dsl-elec	2000	M-CSCO U914EC	1400	21,000
	11	dsl	2100	M-CSCO U1220B	2000	21,000
	9	dsl	2000	OIME 1500SL	1500	18,000
	35	dsl-elec	2000	M-CSCO U914EC	1400	21,000
	41	dsl	1000	GAR-DEN 1100M	1500	21,000
	69	dsl	2700	M-CSCO U1220EB	2000	25,000
	48	dsl	2700	M-CSCO U1220EB	2000	25,000
	6	dsl	1500	NATL 55	700	13,500
	10	dsl	2000	M-CSCO U914C	1400	18,000
Nicor Drlg Co	30	dsl	2000	M-CSCO U914C	1400	18,000
Noble Drlg	GD1	dsl	3135	GAR-DEN 1500	3135	22,000
Parker Drlg	164	dsl	1650	OIME SL1500P	1650	20,000
	204	dsl	2200	OIME E1500C	2200	22,000
	172	dsl	1650	OIME SL1500P	1650	20,000
	181	dsl	3000	OIME Hercules 3000E	3000	30,000
	213	dsl	2200	OIME SL1500	2200	22,000
	166	elec	3000	OIME 3000E	3000	30,000
Penrod Drlg	8	dsl	2600	NATL 1320M	3425	25,000
	133	dsl	1600	NATL 1625DE	4610	20,000
Pilgrim Drlg	3	dsl-elec	2500	IDECO Z100E	2500	25,000
Quarles Drlg (OK)	11	dsl	2700	M-CSCO U914C	2400	22,000
Resource Drlg	9	dsl	2330	NATL 110	2740	18,000
Rio Grande Drlg	9	dsl	1300	NATL 110M	2400	20,000

OKLAHOMA (Cont'd)

CADDO (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
Robinson Bros Drlg	Gary Jack	dsl-elec	2000	GAR-DEN	2000	18,000
	20	dsl	1000	BRWSTR N95	300	20,000
	9	dsl-elec	1700	IDECO 1200	2000	22,000
Sandia Drlg	6	dsl	4000	EMSCO C3	4000	35,000
	5	dsl	2000	EMSCO D2	2000	16,000
Santa Fe Drlg Mid-Continent	4M	dsl	1500	OIME SL 1500	1500	18,000
	11M	dsl	1000	GAR-DEN 800M	1000	16,000
Santa Fe Drlg Western	20-W	dsl-elec	3400	OILWELL E2000	2000	25,000
Schlensker Drlg	9	dsl	1500	OIME 1500SL	2205	18,000
	11	dsl	2400	GAR-DEN 1100M	2400	20,000
	2	gas	700	BETH MC450	900	12,000
Smart Drlg	10	dsl	1000	M-CSCO U20	1500	18,000
Top Drlg	7	dsl-elec	2000	OILWELL 760E	1000	20,000
Tri-Land Drlg	1	dsl	1500	GAR-DEN 1500E	2000	21,000
Tri-Service Drlg	7	dsl	2475	NATL 110M	2475	18,000
	9	dsl	2475	NATL 1320M	2475	22,000
	10	dsl	1800	OILWELL 860	1800	21,000
Trigg Drlg	1	dsl	1500	GAR-DEN DW1500	1500	25,000
Unit Drlg & Expl	28	dsl-elec	1600	GAR-DEN 1500E	2000	25,000
Viersen & Cochran Drlg	15	dsl	1010	OILWELL 660	830	13,000
	6	dsl	2000	BETH 1013	2400	25,000
Westburne Drlg	71	dsl	1560	OILWELL 860	1560	16,000
	68	dsl	1600	UNIT U1220	1875	20,000
	64	dsl	1680	UNIT 914C	1680	18,000
	66	dsl	1200	GAR-DEN 1100E	1500	18,000

CANADIAN

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ACT Drlg	3	dsl	800	WILSON 42	700	10,000
Basin Drlg	6	dsl	600	BRWSTR N7	820	10,000
Blocker Drlg-Houston	26					14,000
Bodard & Hale Drlg	9	dsl	550	BETH S55	700	9,000
Bonray Drlg	5	gas	700	NATL 50A	700	9,000
	6	dsl	700	NATL 50A	700	9,000
Buck Oil & Gas Corp, Rick	3	dsl	1000	BDW 800	1000	15,000
Cothrum Drlg	6	dsl	750	EMSCO G500	600	7,500
	1	dsl	774	EMSCO 350	636	9,500
FWA Drlg	9	dsl	1150	WILSON Giant	720	11,500
Kelley & Kerr Drlg	KK-2	dsl-elec	2000	OIME SD7	1500	18,000
Magic Circle Drlg	11	dsl	900	NATL 50A	900	10,000
Nicor Drlg	7	dsl	1020	M-CSCO U15	700	11,500
Robinson Bros Drlg	5	dsl	1000	OILWELL 66	900	11,000
Smart Drlg	6	dsl	875	UNIT U15	950	13,500
	2	dsl-elec	1410	M-CSCO Unit 36	1000	14,000
Thomas Drlg	1	dsl		BRWSTR N42		11,000
Trend Drlg	4	dsl	1320	M-CSCO Unit U36A	1060	12,000
U R C Drlg	3	dsl	860	UNIT U36A	860	12,500
Warrior Drlg	5	dsl	2000	BDW	1200	15,000

CARTER

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
Arbuckle Drlg	1	dsl	450	BDW 450T	600	9,000
Arden Drlg	4	dsl	1800	EMSCO D2	1000	16,000
Ardmore Drlg	5			IDECO		16,500
	3	gas	1350	IDECO M10000	1350	12,500
	4	gas	600	WILSON	400	500
	1	dsl	450	IDECO H30-D	450	5,000
	2	gas	700	WILSON GIANT	700	9,000
Big Chief Drlg	30	gas	1515	IDECO 1050	1515	15,000
	12	gas	1600	NATL 80B	1600	14,000
Cliffs Drlg	42	dsl-elec	2600	NATL 1320UE	3025	25,000
Compadre Drlg & Expl	1	dsl	360	Wlkr-Nr A25040	360	6,000
Guffey-Schlensker Drlg	2	dsl	800	BRWSTR N45	700	8,000
Jones Drlg Corp	16	dsl	600		600	8,000
	9	gas	816		800	14,000
	8	gas	700		700	12,000
Kingery Drlg	10	gas	300	WILSON Giant	300	5,000
Little-Deutag	T-12	dsl	1300	IDECO H525D	670	8,000
	T-11	dsl	1700	NATL 80B	1000	15,400
Parker Drlg	215	gas	2200	OIME SL1500	2200	22,000
Pilgrim Drlg	1	dsl	750	IDECO H35	600	12,000
	2	dsl	1500	OILWELL 76	1500	16,000
Roberson Drlg	3	gas	700	UNIT U15	600	10,000
	1	gas	600	EMSCO	400	7,000

CHICKASHA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
Santa Fe Drlg Mid-Continent	16M	dsl	1100	OILWELL 96	3000	18,000

CIMARRON

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
Sunflower Drlg	S-8	dsl	500	BRWSTR N42	600	7,500

CLEVELAND

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
Astro Drlg	21	dsl	2500	NATL 100	1500	18,000
	18	dsl	556	IDECO H1000	840	12,000
Baltic Drlg	10	dsl	940	SUPERIOR 700	600	9,500
Bighorn Drlg	5	dsl	1200	UNIT U15	1000	10,000
Johnson Bates Drlg	9	dsl	700	BETH S50	450	7,500
Magic Circle Drlg	15	dsl	900	UNIT U15	900	12,000
Quarles Drlg (OK)	7	dsl	1050	NATL 750A	800	14,000
Ratliff Drlg	11	dsl	850	BRWSTR N7	850	10,000
Santa Fe Drlg Mid-Continent	1M	dsl	800	NATL 50A	800	12,000
Smart Drlg	9	dsl	820	M-CSCO U15	980	13,000

OKLAHOMA (Cont'd)

COAL

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
Smith Bros Drlg	3	dsl	850	K&L 950	900	14,000
Winter Drlg & Expl	4	dsl				

COMANCHE

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
Arrowhead Drlg	C-3	dsl	1040	NATL 610	1040	12,000
Big Chief Drlg	47	dsl-el-scr	4000	GAR-DEN 3000E	3000	35,000
Bonray Drlg	9	dsl-elec	3000	OILWELL E2000	2000	25,000
Cliffs Drlg	43	dsl-elec	2600	NATL 1320UE	3300	25,000
Continental Drlg	4	dsl-elec	3200	IDECO E2100	2000	25,000
	7	dsl-elec	3200	IDECO E3000	3000	30,000
	13	dsl-elec	2000	IDECO ED1200	1200	16,000
Drillers	48	dsl-elec	3600	IDECO E3000	3000	30,000
Eagle Prod & Drlg Serv	6	dsl-elec	2000	OILWELL E2000	2000	25,000
	3	dsl-elec	2000	OILWELL E2000	2000	25,000
	7	dsl-elec	2000	OILWELL E2000	2000	25,000
Eason Oil	23	dsl-elec	3200	EMSCO C3E	3000	30,000
Eltex Drlg Contractors	304	dsl-elec	1600	NATL 1320UE	2000	25,000
	303	dsl-elec	1600	NATL 1320UE	2000	25,000
Forex Neptune and/or Affil	51	dsl-elec	3200	GAR-DEN 1500E	2000	21,700
Grace/T R G Drlg	135	dsl-elec	2200	GAR-DEN 1500E	2400	22,000
Henley Drlg	4	dsl-elec	2600	EMSCO C2	2000	25,000
JFP Well Serv	8	dsl	2000	OILWELL E2000	2000	25,000
Loffland Bros	18	dsl-elec	2600	M-CSCO U1220EB	2200	28,000
	200	dsl-elec	3300	EMSCO 3000 Type 2	3300	50,000
	19	dsl-elec	3200	EMSCO C3000	3300	35,000
Mercury Drlg	5	dsl	1350	GAR-DEN 1100	2775	22,000
Moran Drlg, E W	27	dsl-elec	3200	GAR-DEN 1500E	2000	25,000
Murco Drlg	42	dsl-el-scr	2800	OILWELL E2000	2000	25,000
Navajo Drlg	12	dsl	1000	UNIT U1220	2000	25,000
	10	dsl	1000	UNIT 914	2000	20,000
Nicor Drlg	42	dsl-elec	2000	UNIT U914EC	1400	21,000
	47	dsl	2600	EMSCO C3E	2000	25,000
	45	dsl-elec	2700	UNIT U1220EB	2000	25,000
	29	dsl-elec	2700	GAR-DEN E1500	2000	25,000
	70	dsl	2700	GAR-DEN 1500E	2000	25,000
	49	dsl-elec	3200	GAR-DEN 1500E	2000	25,000
Noble Drlg	N-133	elec	3300	NATL 1320UE	1320	25,000
Parker Drlg	193	dsl	3200	OIME 3000E	4000	35,000
	203	dsl	2800	OIME E2000	2000	25,000
	114	dsl-elec	2700	IDECO 3000E	3000	30,000
Penrick Drlg	102	dsl-elec	3200	UNIT 1220	2000	30,000
Penrod Drlg	3	dsl	2600	NATL 1320M	3425	25,000
	127	dsl	1000	NATL 80B	1760	15,000
	118	dsl	1600	NATL 1625M	3000	30,000
	21	dsl	2600	NATL 1320M	1950	15,000
Ratliff Drlg	1	dsl	2640	OILWELL 96	2640	24,000
	20	dsl	3800	UIZZOEB	2500	30,000
Resource Drlg	C-3	dsl	1040	NATL 610	1220	12,000
Robinson Bros Drlg	23	dsl-elec	3200	EMSCO C2	2000	26,000
	3	dsl	3105	NATL 1320	3740	25,000
Sandia Drlg	4	dsl	4000	EMSCO C1	4000	22,000

CREEK

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
Equity Drlg	175	dsl	300	WILSON Super 38	300	4,200
Mar-Tay Drlg	1	dsl	450	Crwdll K200C	350	5,000
McLennan Drlg	5	dsl	450	CABOT/FRANKS 658	318	4,000
Whitehead Drlg Contr	1	dsl	450	WILSON Model 30	425	4,000

CUSTER

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
Bates-Great Western Energy	6	dsl	1580	M-CSCO U20	1040	16,000
Bonray Drlg	30	dsl	2400	NATL 1320	2400	25,000
	20	dsl	1680	IDECO Super 711	1680	17,000
	1	dsl	1230	OILWELL 760	1230	16,000
	32	dsl	1600	NATL 110	1600	20,000
	21	dsl	990	IDECO H750	660	12,000
	31	dsl	2400	NATL 1320	2400	25,000
	2	dsl	1650	OILWELL 860	1650	20,000
Brinkerhoff-Signal	86	dsl	4000	NATL 110UE	2000	20,000
Continental Drlg	15	dsl-elec	2000	IDECO ED1200	1200	16,000
	8	dsl-elec	2600	IDECO E1700	1700	19,000
	16	dsl-elec	2000	IDECO ED1200	1200	16,000
	12	dsl-elec	2000	IDECO ED1200	1200	16,000
	32	dsl-elec	2600	IDECO E1700	1700	19,000
Drillers	42	dsl-elec	3000	EMSCO Electrohoist	3000	25,000
	24	dsl	900	BRWSTR N55	900	11,000
	30	dsl	800	UNIT U15M	1000	11,000
	39	dsl-elec	1200	IDECO 700E	1000	14,000
Eason Oil	12	dsl	2000	NATL 80B	1200	16,000
	18	dsl-elec	2300	EMSCO C1E	1500	21,000
FWA Drlg	34	dsl	2200	OILWELL 760	1560	15,000
Grace/T R G Drlg	12	dsl-elec	1500	GAR-DEN 800E	1800	15,000
	17	dsl-elec	2200	GAR-DEN 1500E	2400	22,000
	16	dsl-elec	1500	GAR-DEN 1100E	1800	15,000
	5	dsl	1400	NATL 75	1305	13,000
Harper-Turner Drlg	10	dsl	2000	NATL 80B	1500	16,000
Helmerich & Payne Intl Drlg	85	scr	1700	OILWELL 760E	760	16,000
	49	dsl	1650	NATL 110	1815	18,000
	93	dsl	1600	NATL 80B	800	15,000
	94	dsl-scr	2000	NATL 110ME	1300	20,000

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
CUSTER (Cont'd)						
Lanex Drlg	B-20	dsl-scr	2800	EMSCO EHII	2000	20,000
	B-16	dsl-scr	2000	GAR-DEN 800E	1000	16,000
	A-15	dsl-scr	2000	EMSCO D3	1000	16,000
	B-15	dsl-scr	2000	EMSCO D3	1000	16,000
Loffland Bros	32	dsl-elec	4000	EMSCO CE3000	3300	35,000
	244	dsl-elec	2500	M-CSCO U1220E	2200	28,000
	196	dsl-elec	3300	M-CSCO U1220	2200	28,000
	20	dsl-elec	3200	EMSCO C3000	3000	35,000
Matagorda Marine Drlg	19		1750	M-CSCO U712A	1995	16,000
Moran Bros	68	dsl-el-scr	3200	EMSCO C2 Type II	2000	25,000
	35	dsl-elec	1700	OILWELL 76	1000	15,000
	37	dsl	1000	NATL 610	750	12,000
	4	dsl-el-scr	1500	EMSCO A800E	1000	15,000
Moran Drlg, E W	2	dsl	1500	GAR-DEN 700	800	15,000
	11	dsl	2600	WILSON 150A	1650	20,000
Nicor Drlg	1	dsl	1500	M-CSCO U20	1200	15,000
	56	dsl-elec	2700	UNIT U1220EB	2000	25,000
	34	dsl-elec	2000	M-CSCO U914EC	1400	21,000
	63	dsl	2650	OILWELL 96	1500	18,000
	64	dsl-mech	1700	EMSCO GB800	1000	15,000
Noble Drlg	N-83	dsl	1530	NATL 80B	1530	15,000
	OW-841	elec	2775	OILWELL 840E	1400	20,000
Parker Drlg	210	dsl	2200	OIME 15006	2200	22,000
	205	dsl	2200	OIME 1500C	2200	22,000
	208	gas	2200	IDECO 711	2200	18,000
	214	gas	2200	OIME 1500-C	2200	22,000
Quarles Drlg (OK)	9	dsl	2000	OIME SD 7E	1000	22,000
	14	dsl	2700	M-CSCO U914C	2400	22,000
	8	dsl	2000	OIME SD 7E	1000	22,000
Resource Drlg	RD-27	dsl	1560	NATL 80B	1835	14,000
	7	dsl	1560	NATL 80B	1835	14,000
Rine Drlg	9	dsl	1000	GAR-DEN 800	1000	13,500
Santa Fe Drlg Mid-Continent	15M	dsl	750	BDW 800	1000	14,000
Santa Fe Drlg Western	17-W	dsl	1300	NATL 110	1500	16,000
Schlensker Drlg	10	gas	900	GAR-DEN 800M	1350	16,000
Slawson Drlg	9	dsl	1400	IDECO H900	950	14,000
Smart Drlg	8	dsl	835	BRWSTR N55	950	13,500
Spartan Drlg	8	dsl-elec	1100	Superior 1000UE	1000	16,000
Top Drlg	4	dsl	1200	OILWELL 660	1200	14,000
Tri-Service Drlg	12	dsl-el-scr	3300	OILWELL E2000	2000	25,000
Warrior Drlg	2	dsl	1600	BRWSTR 75	1200	15,000
Westburne Drlg	67	dsl	1725	OILWELL 96	1725	19,000
Wilson Bros Drlg	14	dsl	2600	NATL 110	2700	20,000
	18	dsl	1300	NATL 110	3300	20,000
	15	dsl	2600	NATL 110	2700	20,000
	1	dsl-elec	2600	IDECO E2100	2100	21,000
Zenith Drlg	9	dsl	1200	GAR-DEN 800	1200	17,000
DEWEY						
Beard Drlg (OK)	5	dsl	1379	EMSCO D2	1029	15,000
	3	dsl	1379	UNIT U10	1029	14,000
Cothrum Drlg	5	dsl	1525	BDW 650	912	14,000
Drillers	27	dsl	700	EMSCO GB500	750	10,000
Fossil Drlg	4	dsl	1300	UNIT U15	900	14,000
FWA Drlg	21	dsl	1000	WILSON Mogul 42	720	10,000
Harper-Turner Drlg	2	dsl	800	NATL 50	820	10,500
	4	dsl	600	NATL 50	820	9,000
	11	dsl	2000	NATL 110	1500	20,000
Helmerich & Payne Intl Drlg	55	dsl	1100	NATL 55	1210	14,000
	95	dsl-scr	1800	NATL 80UE	800	15,000
	84	dsl-scr	1700	OILWELL 760E	760	16,000
Hickman Drlg	3	dsl	1200	BDW 650	800	12,000
Loffland Bros	73	dsl-elec	2160	M-CSCO U712A	2200	18,000
Matagorda Marine Drlg	17		750	M-CSCO U712A	1995	16,000
Mercury Drlg	6	dsl	1000	EMSCO 500	1470	14,000
Nicor Drlg	2	dsl	1300	M-CSCO U15	700	12,000
	28	dsl	700	UNIT U15	700	11,500
	5	dsl	1000	BETH C50	450	10,000
	14	dsl	625	GAR-DEN 500M	650	10,000
	12	dsl	1050	GAR-DEN 700M	800	13,000
Pulliam Drlg	12	dsl	1600	NATL 50A	1200	11,000
Robinson Bros Drlg	GBL	dsl	1250	IDECO 1200	1000	12,000
Sage Drlg	8	dsl	900	BDW 650	800	12,000
Seneca Drlg	3	dsl-elec	800	UNIT U36EA	800	14,000
Top Drlg	3	dsl	400	OILWELL 500	450	8,500
	1	dsl	650	BRWSTR N7	900	10,000
	5	dsl	1000	M-CSCO U15	1000	10,000
Triad Drlg	10	dsl		GAR-DEN 700	1100	15,000
	9	dsl		BDW 650	800	12,000
Unit Drlg & Expl	9	dsl	600	BRWSTR N55	1050	12,000
	24	dsl	600	GAR-DEN 800	1200	15,000
Viersen & Cochran Drlg	20	dsl	1245	NATL 610	1245	13,000
	17	dsl	600	OILWELL 660	830	12,000
	12	gas	500	NATL 50	800	9,000
ELLIS						
Dean Drlg	1	dsl	1100	IDECO H40	1000	11,000
Eagle Drlg	2	dsl	1000	NATL T45	725	9,500
	3	dsl	1100	BDW 800	1500	14,000
Forex Neptune and/or Affil	48	dsl-elec	3200	GAR-DEN 1100E	1500	18,000
Helmerich & Payne Intl Drlg	8	dsl	1100	NATL 55	1210	14,000
Hickman Drlg	5	dsl	1450	BDW 800	1100	15,000
	2	dsl	1150	BDW 650	800	12,000

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ELLIS (Cont'd)						
Murco Drlg	30	dsl	2800	OILWELL N200B	3000	25,000
Rine Drlg	5	dsl	700	BRWSTR N55	700	9,000
	4	gas	750	BRWSTR N75	750	12,000
Robinson Bros Drlg	21	dsl	1500	BDW 650M	1300	14,000
	14	dsl	900	NATL 50	800	11,000
Triad Drlg	5	dsl		IDECO Super 750	1100	14,000
Unit Drlg & Expl	1	dsl	500	UNIT U15	800	11,000
Zenith Drlg	5	dsl	1100	BDW 800	1100	16,000
FIELD						
Top Drlg	2	dsl	1200	OILWELL 660	1200	14,000
GARFIELD						
Astro Drlg	20	dsl	550	CABOT/FRANKS 550	456	8,500
	15	dsl	912	SUPER WILSON GI	912	10,500
Hughes Drlg	8	dsl	550	IDECO H35	400	6,250
	5	dsl	550	IDECO H35	400	6,250
	1	dsl	550	IDECO H35	475	8,000
	2	dsl	550	IDECO H35	475	8,000
H30 Drlg	77	dsl	525	IDECO H40	600	8,000
Sabre Drlg Div TRG Drlg	8	dsl	1050	M-CSCO U15	1050	9,000
Thomas Drlg	5	dsl	425	WILSON Giant	400	8,900
Trend Drlg	8	dsl	600	IDECO H44	1100	10,000
Unit Drlg & Expl	23	dsl	600	UNIT U15	600	10,000
GARVIN						
Big Chief Drlg	41	gas	1400	BRWSTR N75	900	12,000
	20	gas	1200	M-CSCO U40	960	13,500
	22	gas	1600	NATL 80B	1600	14,000
Blocker Drlg-Houston	20					9,000
Bodard & Hale Drlg	10	dsl	450	OILWELL 52T	600	9,000
Fossil Drlg	1	dsl	1150	EMSCO GB350	800	10,000
Grace/T R G Drlg	3	dsl	995	GAR-DEN 700M	1305	10,500
Leeman Drlg	1	dsl	500	Cooper 550	525	8,000
Little-Deutag	T-2	dsl	1300	IDECO H525D	670	8,000
Resource Drlg	RD-29	dsl	1560	NATL 80B	1835	14,000
	RD-28	dsl	1040	NATL 610	1220	12,000
Westburne Drlg	70	dsl	700	NATL 50A	700	10,000
GRADY						
Arden Drlg	6	dsl-elec	3200	EMSCO C3	3000	35,000
	8	dsl	3400	EMSCO CE3000	3000	30,000
	2	dsl	800	EMSCO WS1	800	12,000
Beard Drlg (OK)	2	gas	1200	UNIT U15	800	12,000
Big Chief Drlg	36	dsl	1400	NATL 55	900	11,000
	43	dsl	2000	NATL 80B	2250	16,000
	11	dsl	1350	BRWSTR N75	1350	13,000
Cactus Drlg Co	35	dsl-elec	3220	NATL 110UE	3220	20,000
	6	dsl	1040	IDECO 7[illegible]	1200	14,000
Challenger Drlg	72	dsl	4000	GAR-DEN 3000E	3000	30,000
	23	dsl	1800	GAR-DEN 11100	2700	18,000
Continental Drlg	10	dsl-elec	3200	IDECO E2100	2000	25,000
Crescent Drlg	1	dsl	400	BETH S45E	400	7,000
Dual Drlg	4	dsl	2400	NATL 110	1500	19,000
Eason Oil	22	dsl-elec	2600	EMSCO C1E	1500	21,000
	19	dsl	1800	EMSCO D2	750	13,000
Forex Neptune and/or Affil	45	dsl-elec	3200	GAR-DEN 1500E	2000	21,700
FWA Drlg	19	dsl	1600	WILSON Titan	1040	14,000
Grace/T R G Drlg	14	dsl-elec	2000	GAR-DEN 1100E	2400	13,000
GRACE/T R G Drlg	75	dsl-elec	2200	NATL 1320UE	2400	22,000
Highbridge Drlg	35	dsl	1850	BDW 800	1200	15,000
Loffland Bros	111	dsl-elec	3300	EMSCO A1500	2200	24,000
	99	gas	1300	M-CSCO U20	1300	15,000
	206	gas-elec	2160	M-CSCO U914B	2200	20,000
M G F Drlg-Lafayette	46	dsl	1800	IDECO S711	1500	18,000
Magic Circle Drlg	12	dsl	900	NATL 50A	900	12,000
	16	gas	1300	BETH M610	1300	16,000
Mercury Drlg	12	dsl	1000	GAR-DEN 800	2010	20,000
	8	dsl	1000	GAR-DEN M700	1470	17,000
	3	dsl	1000	OILWELL 96	2010	22,000
Navajo Drlg	17	dsl	1000	UNIT U914	2000	20,000
	11	dsl	1000	UNIT U914	2000	20,000
Noble Drlg	N-114	dsl	2090	NATL 110	2090	18,000
	OW-23	elec	3750	OILWELL E2000	2000	25,000
Parker Drlg	196	dsl	3200	OIME E3000	4000	35,000
	179	dsl	3000	OIME Hercules 3000E	3000	30,000
	217	gas	3200	OIME E2000	2000	25,000
	186	dsl	2200	OIME 1500	2200	22,000
Pilgrim Drlg	4	dsl-elec	2000	OILWELL 840EHD	2000	22,000
Ratliff Drlg	17	dsl	700	NATL 50A	700	12,000
	14	dsl	2640	M-CSCO U1220B	2640	28,000
Sandia Drlg	2	dsl	4000	EMSCO C1	4000	22,000
Santa Fe Drlg Mid-Continent	6M	dsl	1000	OIME S/L 7	1500	16,000
	9M	dsl	600	BDW-800MX	1500	16,000
Santa Fe Drlg Western	19-W	dsl	2000	OILWELL E2000	2000	25,000
	18-W	dsl	3200	OILWELL E2000	2000	25,000
Thomas Drlg	6	gas	600	NATL 50A	600	13,000
U R C Drlg	6	dsl	1600	IDECO BIR7585		10,500
Unit Drlg & Expl	20	dsl	1000	GAR-DEN 700	1300	16,000
	10	dsl	1000	BETH M58	1300	15,500
Viersen & Cochran Drlg	18	dsl	1000	NATL		
	4	dsl	600	NATL 55	800	12,000
	10	dsl	2000	NATL 100	1040	17,000
Warrior Drlg	3	dsl	1800	NATL 100	1800	17,000

OKLAHOMA (Cont'd)

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
GRANT						
Mendenhall Drlg	1	dsl	350	Failing 90	318	5,000
Top Drlg	6	dsl	350	NATL T32	350	7,500
Trend Drlg	2	dsl	500	IDECO H35	525	7,500
	7	dsl	600	IDECO H44	800	8,500
Vaughn Good Drlg	3	dsl	500	Cooper 600	500	9,000
	1	dsl	500	Cooper 600	500	9,000
HARPER						
Beredco	1	dsl	800	M-CSCO U15	800	9,000
Challenger Drlg	3	dsl	700	NATL 50A	750	10,000
Rine Drlg	7	dsl	750	GAR-DEN 700	750	13,500
Sage Drlg	4	dsl	800	M-CSCO U15	800	11,000
Triad Drlg	2	dsl		BRWSTR N45	550	9,000
HASKELL						
Cactus Drlg Co	51	dsl	800	BRWSTR N55	1000	9,000
Miller Drlg	11	dsl	350	Spencer 5000	300	6,000
Moran Drlg, E W	16	dsl	920	Spencer 7000	450	9,500
HUGHES						
Gold Star Drlg	1	dsl	450	IDECO H37ED	450	6,500
Johnson Bates Drlg	1	gas	350	M-CSCO U34	300	5,700
R W I T Drlg	2	gas-LPG	600	M-CSCO U34	280	6,000
Rockwell Drlg	18	dsl	670	UNIT U34	450	5,000
	24	dsl	450	Mac-300	450	5,000
	22	dsl	670	EMSCO G36	450	7,000
	20	dsl	670	MAC 350	550	6,500
Scott Drlg, Jerry	6	dsl	1342	EMSCO Unit U15	1342	10,500
Sloan Drlg	16	dsl	400	WILSON 42	600	7,000
JACKSON						
Bearden Drlg, Jack E	5	dsl	1200	WILSON 75	900	9,500
JEFFERSON						
Nicor Drlg	8	dsl	755	NATL 50CA	425	11,000
Noble Drlg	N-87	dsl	1200	NATL 80B	1200	15,000
Ratliff Drlg	7	gas-btne	1020	NATL 75CB	1020	15,000
KAY						
Hughes Drlg	10	dsl	550	CABOT/FRANKS 550	475	8,000
Kay Drlg	1	dsl	480	BRWSTR N4	480	6,000
McLennan Drlg	3	dsl	450	CABOT/FRANKS Model 658	318	4,500
KINGFISHER						
Beard Drlg (OK)	1	gas	675	EMSCO G450	450	10,000
Bighorn Drlg	4	dsl	1000	UNIT U15	1000	10,000
Cactus Drlg Co	56	dsl	800	BRWSTR N55	1000	9,000
Eason Oil	20	dsl-elec	2000	EMSCO D3	1000	16,000
Plotner Drlg	1	dsl	900	GAR-DEN 500	900	12,000
Sabre Drlg Div TRG Drlg	4	dsl	600	NATL 370	525	7,500
Santa Fe Drlg Mid-Continent	5M	dsl	800	OIME SD-5	784	12,000
Smart Drlg	1	dsl-mech	900	M-CSCO Unit U15	950	13,000
Smith Bros Drlg	5	dsl	600	WILSON 42	800	11,000
Trend Drlg	6	dsl	1500	IDECO 725	1200	12,000
KIOWA						
Moran Drlg, E W	30	dsl-elec	3200	GAR-DEN 1500E	2000	25,000
LATIMER						
Dual Drlg	10	dsl	1500	WILSON 120	1100	15,000
	18	dsl	1850	BETH M-810	1100	15,000
Miller Drlg	109	dsl	1000	BDW 800		15,000
	8	gas	450	M-CSCO U15	450	8,000
	122	dsl		BDW 800		15,000
Unit Drlg & Expl	17	dsl	700	BRWSTR N75	1300	15,000
LE FLORE						
Alexander Drlg	1	dsl	800	M-CSCO U34	500	6,500
Dual Drlg	2	dsl	950	WILSON Giant	850	9,500
New Prospect Drlg	2	dsl	1000	BRWSTR N75	1100	16,000
Unit Drlg & Expl	29	dsl	1000	BRWSTR N75	1200	16,000
LINCOLN						
Bodard & Hale Drlg	12	dsl	450	MAC 400	525	7,500
R W I T Drlg	9	gas-LPG	610	WILSON	280	6,000
Sabre Drlg Div TRG Drlg	7	dsl	600	M-CSCO U15	450	7,500
Venture Drlg	1	dsl	550	CABOT/FRANKS 750	750	7,500
LOGAN						
Basin Drlg	14	dsl	1470	GAR-DEN 700	1220	14,000
	7	dsl	600	BRWSTR N45	820	8,000
	10	dsl	600	GAR-DEN 500	820	10,000
	2	dsl	600	GAR-DEN 500M	820	10,000
	9	dsl	600	GAR-DEN 500	820	10,000
	8	dsl	750	EMSCO D2	820	13,000
LOGAN (Cont'd)						
Bighorn Drlg	3	dsl	800	IDECO H37	500	6,500
Buck Oil & Gas Corp, Rick	4	dsl	400	GAR-DEN 3000	400	7,000
Cactus Drlg Co	57	dsl	520	IDECO H35	454	6,500
Harper-Turner Drlg	12	dsl	600	Cooper	700	9,000
Hughes Drlg	4	dsl	600	IDECO H44	700	9,000
Porter Drlg, Gene	1	dsl	600	M-CSCO U34	435	6,000
Sabre Drlg Div TRG Drlg	9	dsl	450	M-CSCO U34	450	6,000
Scott Drlg, Jerry	5	dsl	375	BETH S45	375	6,000
Sloan Drlg	26	dsl		Dugan Machine DG5	265	8,500
Sumpter & Barker Drlg	1	dsl	930	WILSON Mogul 42 Trlr Mtd	430	6,500
LOVE						
Big Chief Drlg	42	dsl	1800	NATL 80	1800	15,000
Fossil Drlg	2	dsl	1350	GAR-DEN 500M	900	12,000
Jones Drlg Corp	7	gas	700		750	12,000
Little-Deutag	T-35	dsl	1600	Cooper LTO750	750	10,000
Moran Drlg, E W	8	dsl	2200	WILSON 150A	1650	15,000
Ratliff Drlg	9	gas	700	NATL 50A	1020	11,000
Santa Fe Drlg Mid-Continent	3M	dsl	1100	OIME SL 1000	1100	14,000
	7M	dsl	600	OIME SD-5	784	12,000
McCLAIN						
Beard Drlg (OK)	4	dsl	1379	UNIT U10	1029	14,000
Blocker Drlg-Houston	25					12,000
Bodard & Hale Drlg	7	dsl	550	BETH S55	600	8,000
Bonray Drlg	4	dsl	900	UNIT U40	900	14,000
Cothrum Drlg	2	dsl	926	M-CSCO U15A	912	11,500
Moran Drlg, E W	20	dsl	1200	Spencer 7000	450	9,500
Ratliff Drlg	2	gas	1020	NATL 55	1020	14,000
Robinson Bros Drlg	4	dsl	1000	NATL 50	800	11,000
Sharp Drlg	38	dsl	790	BETH M58	988	12,000
Smart Drlg	4	dsl	1230	OILWELL 76	1470	16,000
Trigg Drlg	4	dsl	700	NATL 75	950	12,000
	5	gas-btne	500	NATL 50A	800	10,000
MAJOR						
Cimarron Oper	1	dsl	750	IDECO BIR5525	450	6,500
	2	dsl	1230	IDECO H725	950	10,000
	3	dsl	1230	IDECO H725	950	10,000
	4	dsl	920	IDECO BIR5525	450	6,500
	5	dsl	1230	IDECO DIR7015	608	8,500
Logan Drlg	4	dsl	1200	BDW 650	900	10,000
Robinson Bros Drlg	11	dsl	600	BRWSTR N45	600	10,000
Thomas Drlg	9	dsl	640	BRWSTR N46	640	13,000
	4	dsl	600	EMSCO 500	600	10,200
Trend Drlg	3	dsl	1500	BDW 800MI	1100	15,000
	10	dsl	1200	MAC 300	600	8,000
	1	dsl	1050	M-CSCO Unit U15A	700	10,500
	11	dsl	600	TSM 6000A	600	9,000
Triad Drlg	4	dsl		BRWSTR N7	800	11,000
Vaughn Good Drlg	2	dsl	1100	Cooper 650	600	12,000
Warrior Drlg	1	dsl		EMSCO	400	5,000
MAYES						
Winter Drlg & Expl	2	dsl	900	Jaswell J2400	900	2,400
MUSKOGEE						
Bodard & Hale Drlg	14	dsl	450	BRWSTR N4	450	6,500
NOBLE						
Fisher Drlg	1	dsl	450	BRWSTR N4	450	6,500
	4	dsl	500	WILSON Super 38	400	6,500/4"
Hughes Drlg	15	dsl	550	CABOT/FRANKS 550	475	8,000
	9	dsl	550	CABOT/FRANKS 550	475	8,000
Sabre Drlg Div TRG Drlg	153	dsl	450	UNIT U34	450	6,000
NOWATA						
Layton Oil	1	dsl	150	WILSON DBL	100	1,500
Winter Drlg & Expl	1	dsl	900	Jaswell J2400	900	2,400
OKFUSKEE						
Gold Star Drlg	3	dsl	450	IDECO Hydrair H37ED	450	6,500
OKLAHOMA						
Basin Drlg	16	dsl	1350	M-CSCO U-914C	1400	22,000
	15	dsl	1000	M-CSCO U-712A	1200	17,000
	17	dsl	1350	M-CSCO U-914C	1400	22,000
Big Chief Drlg	48	dsl-scr	4000	GAR-DEN 3000E	3000	35,000
	24	gas	1200	M-CSCO U15	900	11,000
Bigard Drlg, James	18	dsl-elec	1000	IDECO ED1200	2000	20,000
	11	dsl-elec	1000	IDECO ED1200	2000	20,000
Bodard & Hale Drlg	15	dsl	450	MAC 400	525	7,500
Bonray Drlg	7	dsl	476	COOPER 66	318	6,000
C E C Drlg	6	dsl	2400	GAR-DEN 800	1600	18,000
	2	dsl	1100	UNIT U15	800	10,000
	5	dsl	2400	GAR-DEN 800	1600	18,000
Drillers	40	dsl-elec	2100	GAR-DEN 1100E	2100	24,000
	26	dsl	700	EMSCO GB500	700	10,000
	21	dsl	300	EMSCO GB350	450	6,000

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
OKLAHOMA (Cont'd)						
Falcon Drlg	1	dsl	400	BETH S45A	400	7,000
Fossil Drlg	3	dsl	1750	EMSCO GA500	1350	14,000
Johnson Bates Drlg	2	gas	325	M-CSCO U34	245	6,500
	14	dsl	700	M-CSCO U15	450	7,500
Nicor Drlg	82	dsl-mech	675	UNIT U34	300	8,000
	71	dsl-elec	2000	MIDCO U914EC	1400	21,000
	65	dsl-elec	2700	M-CSCO U914EC	1400	21,000
	15	dsl	2100	OILWELL 76	1000	15,000
	19	dsl	1650	IDECO 750	750	15,000
	3	dsl	1000	M-CSCO U15	700	11,500
	18	dsl	1050	UNIT U15	700	12,500
Oliver Drlg, E L	4	gas	600	Ideal T12	250	4,500
Penrick Drlg	106	dsl-elec	3200	BETH 1013	2000	16,000
Ratliff Drlg	8	gas-btne	1020	NATL 50A	1020	10,000
	10	gas	1020	NATL 50	1020	10,000
	16	dsl	750	UNIT U15	750	10,000
Robinson Bros Drlg	3	dsl	1000	WILSON 75	900	9,000
S & T Drlg	11	dsl	1300	UNIT 20	1300	12,000
S & T Drlg Northern	8	dsl	1500	GAR-DEN 800	1500	11,500
Smith Bros Drlg	6	dsl	800	UNIT U15	800	11,000
Tri-Service Drlg	11	dsl-elec	3000	M-CSCO 1220ED	3000	20,000
TWT Expl	54	dsl				10,000
Wilson Bros Drlg	16	d	2600	NATL 1320	2700	30,000
OSAGE						
Hughes Drlg	16	dsl	650	Speedstar SS40	375	4,000
	17	dsl	650	Speedstar SS40	375	4,000
Layton Oil	6	dsl	250	WILSON Double Drum	250	3,000
McLennan Drlg	4	dsl	318	GAR-DEN	238	2,000
PAYNE						
Bodard & Hale Drlg	4	dsl	450	M-CSCO U34	400	6,500
	16	dsl	450	IDECO H37	450	6,500
Gold Star Drlg	3	dsl	450	IDECO Hydrair H37ED	450	6,500
	4	dsl	500	UNIT U15	700	10,000
Sabre Drlg Div TRG Drlg	6	dsl	450	NATL T20	335	6,000
PITTSBURG						
Alexander Drlg	2	dsl	800	EMSCO G42	800	12,500
Astro Drlg	19	dsl	912	WILSON Super Giant	912	12,500
Basin Drlg	13	dsl	1470	GAR-DEN 700	1220	14,000
Big Chief Drlg	9	dsl	1200	IDECO H35S	700	10,000
Dual Drlg	8	dsl	1250	WILSON 75	750	9,500
	1	dsl	1500	WILSON 75P	900	12,500
	5	dsl	1500	WILSON Mogul	600	9,500
FWA Drlg	10	dsl	1150	WILSON Giant	720	11,500
Lagersen Drlg	4	dsl-elec	2000	EMSCO J1100E	2500	22,000
Lanex Drlg	B-12	dsl-scr	1600	EMSCO D2	750	13,000
Miller Drlg	2	gas	675	M-CSCO U15	675	12,000
	6	gas	900	NATL 75	900	13,500
	10	dsl	1500	OIME SL1500	1500	20,000
Moran Drlg, E W	14	dsl	1600	WILSON 150	1650	15,000
R W I T Drlg	8	gas-LPG	601	M-CSCO U34	280	6,000
Seneca Drlg	2	dsl-elec	800	UNIT U36EA	800	14,000
	1	dsl-elec	800	UNIT U36EA	800	14,000
Unit Drlg & Expl	5	dsl	600	UNIT U15	800	12,000
PONTOTOC						
Bauich Drlg	1	dsl	350	BRWSTR N4	275	4,800
Royal Drlg	1	dsl	300	EMSCO GB160	300	4,200
T E K Drlg	WS	dsl	265	WILSON Super	265	4,500
	F1500	gas	350	Failing 1500	380	1,500
POTTAWATOMIE						
Bodard & Hale Drlg	6	dsl	600	NATL T20	450	6,500
	11	dsl	450	MAC 300	450	6,500
	8	dsl	650	M-CSCO U36A	1100	13,500
	5	dsl	450	M-CSCO U34	425	8,500
Hughes Drlg	6	dsl	550	IDECO H35	400	6,250
Johnson Bates Drlg	4	dsl	400	M-CSCO U34	375	6,500
Scott Drlg, Jerry	7	dsl	350	WILSON Giant	380	7,000
ROGER MILLS						
Apollo Drlg Inc	2	dsl	1500	NATL 80B		16,000
Arden Drlg	1	dsl-elec	1600	EMSCO D2	1200	16,000
	5	dsl-elec	2400	EMSCO D3	2000	18,000
	15	dsl	2000	OIME SL7	1000	16,000
	7	dsl	1700	OIME SL7	1500	15,000
Brinkerhoff-Signal	56	dsl-elec		EMSCO A110E	2700	18,000
Challenger Drlg	37	dsl	2400	IDECO 2500	2400	28,000
	32	dsl	2400	NATL 1320	2400	20,000
Chapman Drlg	201	dsl-elec	2600	BRWSTR NE95	1700	19,000
Cliffs Drlg	38	dsl-elec	2800	OILWELL 840E	3300	18,000
Continental Drlg	5	dsl-elec	2600	IDECO E1700	1700	19,000
	1	dsl-elec	3200	IDECO E2100	2000	25,000
Eason Oil	25	dsl-elec	2800	EMSCO C1E	1500	21,000
Forex Neptune and/or Affil	53	dsl-elec	3200	GAR-DEN 1500E	2000	21,700
	52	dsl-elec	3200	GAR-DEN 1500E	2000	21,700
FWA Drlg	7	dsl	1500	WILSON Titan	1040	14,000
	5	dsl	1400	WILSON Giant	850	11,500
Grace/T R G Drlg	23	dsl	1400	NATL 80B	1305	14,500
	2	dsl	825	GAR-DEN 500M	870	10,000
	141	dsl-elec	2200	GAR-DEN 1500E	2400	22,000
	20	dsl-elec	2200	GAR-DEN 1100E	2400	18,000
	15	dsl	1000	GAR-DEN P28	1305	14,000

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ROGER MILLS (Cont'd)						
Harper-Turner Drlg	1	dsl	800	NATL 55	1000	12,000
Helmerich & Payne Intl Drlg	48	dsl	1640	NATL 110	1820	22,000
	98	dsl-scr	2000	NATL 110ME	1500	20,000
	78	dsl-scr	2000	NATL 110UE	1500	20,000
	92	dsl-scr	2000	NATL 110ME	1500	20,000
Highbridge Drlg	34	dsl	1200	UNIT U15	1000	14,000
Lanex Drlg	A-12	dsl-scr	1600	EMSCO D2	750	13,000
Loffland Bros	311	dsl	2250	GAR-DEN 1500	2500	24,000
	123	gas	1975	NATL 130	2200	26,000
	102	dsl-elec	3300	M-CSCO U1220EBD	3300	28,000
Mercury Drlg	15	dsl	1300	NATL T1320M	2800	25,000
	1	dsl	1000	EMSCO 800	1470	16,000
	14	dsl	1000	UNIT 914	2100	22,000
Moran Bros	67	dsl	1700	EMSCO D3 Type III	1000	15,000
	34	dsl	1700	OILWELL 760	1000	15,000
Moran Drlg, E W	4	dsl	1600	WILSON 120	1100	15,000
Nicor Drlg	31	dsl-elec	2000	M-CSCO U914EC	1400	21,000
Nowotny & Conley Drlg	6	dsl-elec	3200	NATL 1320UE	3000	25,000
Parker Drlg	149	gas	1000	NATL 75	1000	16,000
	59	gas	1650	OIME 1500E	1650	20,000
Penrod Drlg	131	dsl	1000	NATL 80B	1760	
Quarles Drlg (OK)	6	dsl	2000	BRWSTR N95	2200	22,000
	1	dsl	1500	OIME 750	750	14,500
Ratliff Drlg	30	dsl	1650	Texas Flange	1650	18,000
	31	dsl	1650	Texas Flange	1650	18,000
Rowan Drlg US	31	dsl	3200	NATL 1625	3300	30,000
	14	dsl	3200	NATL 1625M	3000	35,000
	7	dsl	3200	EMSCO A1500	2500	22,000
Sandia Drlg	3	dsl	3000	EMSCO D3	3000	18,000
Santa Fe Drlg Western	15-W	dsl	3200	EMSCO C3	3000	30,000
Sharp Drlg	58	dsl	2319	OILWELL 96	2607	23,000
	369	dsl-elec	1488	UNIT U712EC	1995	18,000
Slawson Drlg	8	dsl	750	IDECO H725	750	11,500
Triad Drlg	7	dsl		GAR-DEN 800	1100	16,000
	8	dsl	2250	GAR-DEN 1500	2250	24,000
U R C Drlg	2	dsl	1100	NATL 100	1100	15,000
Viersen & Cochran Drlg	3	dsl	800	NATL 75CA	800	14,000
	5	dsl	600	OILWELL 660	800	12,000
	1	dsl	800	OILWELL 660	800	12,000
Wilson Bros Drlg	22	dsl-elec	2800	OILWELL E2000	2000	25,000
	17	dsl	2600	NATL 110	2700	20,000
	19	dsl	800	NATL 80B	1425	16,000
	21	dsl	800	NATL 80B	1425	16,000
	20	dsl	800	NATL 80B	1425	16,000
SEMINOLE						
Bates-Great Western Energy	16	dsl	1000	BDW 800MX	1000	14,000
Johnson Bates Drlg	7	dsl	1000	WILSON Titan	1350	12,000
	5	dsl	1000	M-CSCO U15	1100	10,000
	15	dsl	1350	WILSON Titan	1575	14,000
Scott Drlg, Jerry	8	dsl	1520	UNIT U15	1000	11,000
	1	dsl	350	BRWSTR N4	350	5,500
	4	dsl	600	BETH C50	640	10,000
	2	dsl	420	UNIT U34	430	6,500
Sloan Drlg	18	dsl	450	WILSON 42	450	7,000
	10	dsl	370	M-CSCO U34	475	6,500
	14	dsl	370	NATL T20	500	6,500
	12	dsl	370	BRWSTR N4	475	6,500
SOYRE						
Lanex Drlg	C-12	dsl-scr	1600	BDW 800	800	16,000
STEPHENS						
Adeco Drlg & Engr	17		690	OIME SL750	1035	14,000
Johnson Bates Drlg	3	dsl	1100	M-CSCO U34	1100	10,500
Jones Drlg Corp	10	dsl	2000		2000	20,000
	6	dsl	500		400	7,000
	16	dsl	850		1400	16,000
	11	dsl	600		600	10,000
	5	gas	400	BETH S45	400	7,000
	12	dsl	1200		1200	10,000
	15	dsl	900		1000	14,000
	2	dsl	385		385	5,000
Loffland Bros	104	dsl-elec	3300	EMSCO 3000	3300	35,000
Magic Circle Drlg	17	dsl	2460	OILWELL 96	2460	20,000
Plotner Drlg	2	dsl	1000	All Rig 1200	2000	20,000
Repco	8H	dsl	636	Hopper	350	7,000
	2H	dsl	636	Hopper	440	6,100
Smart Drlg	5	dsl	860	NATL 50CA	950	10,000
Thomas Drlg	10	dsl	600	WILSON Super Giant	600	11,000
	11	dsl	300	Wichtex R-6	300	6,000
Vi-Roi Drlg	2	dsl	120	Howard-Turner 100	210	3,000
	1	dsl	435	WILSON Mogul 42	435	6,500
SWEETWATER						
Dual Drlg	34	dsl	2000	EMSCO D3	1000	16,000
	35	dsl	2000	EMSCO D3	1000	16,000
TEXAS						
H30 Drlg	8	dsl	600	IDECO H40	600	10,000
Moran Drlg, E W	26	dsl	1000	CEI 75D	750	11,000
Service Drlg (OK)	3	dsl	300	UNIT RU34	400	6,500
	8	dsl	836	UNIT RU34	636	10,000
Service Drlg (TX)	10	dsl	300	M-CSCO	400	5,000
	4	dsl	500	M-CSCO U15	800	9,200

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
TILLMAN						
Tierra Drlg	19	dsl-elec	800	UNIT 36EA	650	12,000
TULSA						
Baker Oil & Drlg	2	dsl	150	GAR-DEN 2000	150	2,000
Hemphill Corp	T-4	dsl	115	Ingersol-Rand Hydraulic	700	4,000
VERDEN						
Dual Drlg	26	dsl	1800	WILSON 150A	1650	18,000
WASHINGTON						
Equity Drlg	150	dsl	300	Failing 2500	300	3,000/3.5"
WASHITA						
Cactus Drlg Co	29	dsl	1830	NATL 110	2700	20,000
Challenger Drlg	6-E	dsl	900	NATL 80E	1000	14,000
Chapman Drlg	151	dsl-elec	2000	BRWSTR NE95	1700	18,000
Drillers	10	dsl	1600	NATL 100M	1600	18,000
	44	dsl-elec	2000	GAR-DEN 2000	2000	22,500
Enopco	1	dsl	2430	NATL 110M	2430	20,000
Grace/T R G Drlg	133	dsl-elec	2000	GAR-DEN 1100E	2400	18,000
	134	dsl-elec	2200	GAR-DEN 1500E	2400	22,000
	132	dsl-elec	3000	GAR-DEN 3000E	3000	30,000
	19	dsl-elec	2200	GAR-DEN 1500E	2400	22,000
Helmerich & Payne Intl Drlg	89	dsl-el-scr	2730	NATL 110UE	2730	20,000
	99	dsl-scr	3400	OILWELL E2000	2000	26,000
Lagersen Drlg	8	dsl-elec	2000	EMSCO CIE	2500	22,000
Loffland Bros	327	dsl	2250	GAR-DEN 1500	2500	24,000
	218	dsl-elec	3300	M-CSCO U1220E	2200	28,000
	227	dsl	2400	M-CSCO U914A	2500	22,000
	324	dsl	2250	GAR-DEN 1500	2500	24,000
Magic Circle Drlg	18	dsl-elec	4000	EMSCO C2	2000	25,000
Matagorda Drlg	15	dsl	2000	NATL 80B	1500	15,000
Moran Drlg, E W	5	dsl	1850	WILSON 120	1100	18,000
	28	dsl-elec	3200	GAR-DEN 3000E	3000	40,000
	9	dsl	2600	WILSON 150	1500	18,000
Murco Drlg	50	scr	2200	OILWELL 860E	2000	18,000
	54	dsl-scr		GAR-DEN 1100E		18,000
Nicor Drlg	55	dsl-elec	2000	UNIT U914EC	1400	21,000
	4	dsl	1500	GAR-DEN 800	1000	15,000
Noble Drlg	N-85	dsl	1830	NATL 80B	1830	15,000
	GD2	dsl	3135	GAR-DEN 2100	3135	25,000
	N-117	dsl	3645	NATL 110UE	3645	20,000
Parker Drlg	43	gas	1800	OILWELL 96	1800	20,000
	142	dsl	2600	NATL 1320E	3000	25,000
	167	dsl	1650	OIME SL1500	1650	20,000
	170	dsl	1650	OIME SL1500P	1650	20,000
Penrod Drlg	130	dsl	1000	NATL 80B	1760	15,000
	26	dsl	2600	EMSCO C2	1950	25,000
Quarles Drlg (OK)	12	dsl	2700	M-CSCO U914C	2400	22,000
Republic Drlg & Serv	3	dsl-elec	1950	OILWELL 740E	1000	14,000
Resource Drlg	RD-24	dsl	2330	NATL 110	2740	18,000
Robinson Bros Drlg	6	dsl	2200	NATL	1600	18,000
	7	dsl-elec	1750	NATL 80UE	1500	12,000
	22	dsl	2000	EMSCO E900	2000	15,000
	18	dsl	2000	GAR-DEN 1500E	2000	20,000
	27	dsl	1050	IDECO H725	1500	16,000
Rowan Drlg US	30	dsl	2600	EMSCO A1500	2400	22,000
	5	dsl	3200	NATL 1625M	3000	35,000
Sandia Drlg	1	dsl	3000	GAR-DEN E800	3000	18,000
Santa Fe Drlg Mid-Continent	8M	dsl-elec	1500	OIME SD7E	2400	18,000
	2M	dsl-elec	750	IDECO E900	900	4,000
Santa Fe Drlg Western	95-W	dsl-elec	2800	OILWELL E2000	2000	25,000
	21-W	dsl-elec	2600	NATL 110UE	1500	16,000
	22-W	dsl-elec	2600	NATL 10UE	1500	16,000
Sharp Drlg	39	dsl	2331	OILWELL M2000	2742	30,000
	40	dsl	1770	OILWELL 96	2025	18,000
	71	dsl-elec	2331	UNIT U914EC	2742	23,500
	52	dsl	1560	BETH M810	1836	19,000
Smart Drlg	11	dsl	2000	NATL 100	1000	20,000
	12	dsl-elec	2000	OILWELL 840E	2000	18,000
	7	dsl-elec	1500	UNIT U20	1000	16,000
Smith & Stovall Drlg	6	dsl	1300	IDECO H1700	2000	18,000
Triad Drlg	6	dsl		BRWSTR N95A	1650	20,000
Warrior Drlg	4	dsl	1800	BDW	1000	17,000
WHEELER						
Helmerich & Payne Intl Drlg	44	dsl	1650	NATL 110	1815	22,000
WOODS						
Bonray Drlg	3	dsl	900	BRWSTR N7	900	10,500
Damac Drlg	2	dsl	310	WILSON Giant	310	6,600
Drillers	36	dsl	600	EMSCO GB350	700	8,500
Magic Circle Drlg	14	dsl	320	CABOT/FRANKS 2042	700	9,500
Oliver Drlg, E L	3	dsl	340	NATL T32	340	8,000
WOODWARD						
Astro Drlg	17	dsl	1050	CABOT/FRANKS 750	700	11,000
Bighorn Drlg	1	dsl	1200	NATL 370	900	9,000
Drillers	11	dsl-hydra	1500	Automatic H2000	2000	12,000
Freeman Drlg	1	dsl	525	IDECO H40	600	8,500
Johnson Bates Drlg	8	dsl	1000	WILSON Giant U15	1050	12,000
Midco Drlg	2	dsl	750	UNIT U15	750	13,000

OKLAHOMA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
WOODWARD (Cont'd)						
Pulliam Drlg	18	dsl	900	EMSCO GA250T	350	8,000
Rine Drlg	3	dsl	750	BRWSTR N55	750	9,500
	6	gas	700	BRWSTR N75	750	12,000
Sage Drlg	3	dsl	400	IDECO H40	400	8,500
Search Drlg	5	dsl-elec	2000	BRWSTR 1000	1000	14,000
	6	elec	2000		1000	14,000
	2	dsl	950	IDECO H725C	950	10,000
	4	dsl-elec	2700	GAR-DEN 1500E	3000	24,000
	1	dsl	640	NATL T32	640	6,000
	3	dsl	956	IDECO H725-C	950	10,000
Triad Drlg	3	dsl		BRWSTR N55	800	12,000
U R C Drlg	1	dsl	860	NATL 50	860	10,000

OREGON

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
COLUMBIA						
Taylor Drlg	5	dsl	350	M-CSCO U34	375	4,000

PENNSYLVANIA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ARMSTRONG						
DOC-NCC Drlg	2	dsl	300	BRWSTR RR600	575	9,000
	1	dsl	300	WILSON Torcair 42	350	4,000
BEDFORD						
Delta Drlg	71	dsl	1000	Spencer 7000	440	9,000
CAMBRIA						
Ray Resources	8	dsl	450	BRWSTR N55	800	10,000
CLEARFIELD						
Fairman Drlg	14	dsl	400	BRWSTR	350	7,500
	6	dsl	350	IDECO H44	550	8,000
	8	dsl	350	IDECO H44	550	8,000
	9	dsl	400	IDECO H44	500	8,000
	12	dsl	400	IDECO	250	5,000
CLINTON						
Delta Drlg	72	dsl	250	Spencer 7000	440	9,000
CRAWFORD						
International Petr Serv	4	dsl	475	WILSON 42	475	7,500
ERIE						
Underwater Gas Dev	3	dsl	320	Challenger 320	320	5,000
Union Drlg	7	dsl	1200	CABOR/FRANKS 500	425	6,500
	12	dsl	1200	CABOT/FRANKS 500	425	6,500
	14	dsl	1200	Crdwll KB250	425	6,500
	10	dsl	1200	IDECO BIR5535	425	7,500
FAYETTE						
International Petr Serv	12	dsl	475	Challenger Model 320	300	4,000
GREENE						
Union Drlg	2	dsl	1200	IDECO BIR5525	425	6,000
INDIANA						
Delta Drlg	67	dsl		Spencer 7000	480	9,000
	79	dsl	255	IDECO H35KD	291	6,000
	77	dsl	250	IDECO H35KD	291	6,000
	92	dsl	255	IDECO H35KD	291	6,000
	91	dsl	255	IDECO H35KD	291	6,000
Fairman Drlg	5	dsl	400	Crdwll	350	4,000
JEFFERSON						
Fairman Drlg	15	dsl	300	IDECO	300	5,000
VENANGO						
P E P Drlg	8	dsl	550	GAR-DEN 500	500	10,000
WARREN						
Devonian Drlg	1	dsl	505	Kremco K600	475	7,000
International Petr Serv	3	dsl	350	CPT750DH	285	4,500
	10	dsl	600	WILSON Mogul 42	475	7,500
	5	dsl	475	WILSON 42	475	7,500
WESTMORELAND						
Fairman Drlg	10	dsl	400	WILSON Mogul 42	350	5,000
	11	dsl	400	IDECO H44	500	8,000
International Petr Serv	8	dsl	600	WILSON Mogul 42	475	7,500

SOUTH DAKOTA

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Hussar Drlg	1	dsl	500	EMSCO GA250	300	7,500
HARDING						
Cardinal Drlg	15	dsl	1080	EMSCO GA500	760	10,000
Elenburg Expl	3	dsl	320	Wlkr-Nr CC2000	230	2,500
Exeter Drlg Northern	10	dsl	500	BRWSTR N55	750	10,500

TENNESSEE

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
CLAY						
Miller Contract Drlg	20	dsl		Ingersoll T4	400	2,500
CUMBERLAND						
Delta Drlg	83	dsl	2600	EMSCO C1 Type III	2331	18,000
FENTRESS						
Miller Contract Drlg	18	dsl		Ingersoll T4	600	3,500
Norman Drlg, James R	1	dsl	750	Ingersoll	450	2,500
	2	dsl	750	Ingersoll	450	2,500
MORGAN						
B-J Inc	2	dsl	525	INGERSOLL	525	3,000
Miller Contract Drlg	17	dsl	400	Spencer	400	3,000
OVERTON						
B-J Inc	3	dsl	400	Drill-Tec	400	2,500
Miller Contract Drlg	2	dsl	400	Ingersoll	400	3,000
	21	dsl	425	Spencer 6000	425	7,000
	10	dsl	525	Ingersoll	525	3,000
SCOTT						
B-J Inc	1	dsl	525	INGERSOLL	525	3,000
Miller Contract Drlg	9	dsl	525	Ingersoll	525	3,000

TEXAS

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Brunner Drlg	4	dsl		IDECO H38D	350	5,000
	2	dsl		BRWSTR N4	375	6,000
Cape Drlg	6	dsl	1500	MIDWAY 750D	800	13,500
Faith Drlg	2	dsl	1500	NATL 55	1300	12,000
Gibson Drlg	6	dsl	506	WILSON Mogul 42	318	5,000
	5	dsl	1030	WILSON 75P	700	9,000
	8	dsl	529	WILSON 65	380	5,000
	1	dsl	606	WILSON Mogul 42	398	5,000
	4	dsl	506	WILSON Mogul Model 65	398	5,000
	12	dsl	900	EMSCO D2	900	12,000
Herb Expl	1	gas-btne		Failing 1500	100	1,500/2.38"
Hillin Drlg	5	dsl	1200	NATL H1200	1200	15,000
Koch, I E Drlg	2	dsl	300	LMI 1436	300	3,500
Megargel Drlg	10	dsl	750	UNIT Double Jacknife U15	750	7,000
Parker Drlg	133-HH/21	dsl	1500	OIME TBA2000	1700	20,000
	129-HH/17	dsl	1500	OIME TBA2000	1700	20,000
Santa Fe Drlg	SFW-10	dsl-elec	2000	EMSCO Electrohoist H11	1800	24,000
	SFW-8	dsl-elec	2600	EMSCO A1500E	2000	30,000
	SFW-14	dsl-elec	3200	EMSCO C3111	3000	30,000
	SFW-12	dsl-elec	2300	EMSCO A1100E	1800	20,000
	SFW-2	gas	1700	BETH M1013	2118	22,000
	SFW-16	dsl-elec	1300	EMSCO C11	2000	25,000
	SFW-3	dsl-elec	2900	EMSCO A1500E	2000	30,000
	SFW-6	dsl-elec	2300	EMSCO C3111	3000	30,000
	SFW-4	dsl-elec	2600	EMSCO C3111	3000	30,000
	SFW-5	gas	2200	BETH B1013	2118	22,000
Tricon/B-E Drlg	1	dsl	900	EMSCO A500	900	10,000
TMBR Drlg	14	gas	700	M-CSCO U15	700	10,000
	9	dsl	1050	NATL 75CA	1050	12,500
	21	dsl	1100	NATL 75CA	1100	13,000
Verna Corp	36	dsl	550	M-CSCO U15	550	11,000
	39	dsl	600	M-CSCO U15	550	11,000
ANDERSON						
Lohmann Drlg	12	dsl	700	OILWELL 600	600	10,000
Maxwell Herring Drlg	15	dsl	1200	Spencer	400	10,000
Verna Corp	25	dsl	1000	M-CSCO U15	600	10,000
ANDREWS						
BJM Drlg & Expl	1	dsl	1200	UNIT U15	1000	12,000
Cactus Drlg Co	63	dsl	520	BRWSTR N4	454	6,000
	58	dsl	520	BETH S45E	454	6,500
	18	dsl	520	NATL T32	670	8,500
Cactus Drlg Corp	22	dsl	1650	NATL 100	1650	15,000
Hillin Drlg	2	dsl	800	EMSCO G500	800	11,000
Johnn Drlg	10	dsl	800	OILWELL 66	800	10,000
Kenai Drlg of Texas	11	dsl	400	NATL T20	400	6,500
M G F Drlg-Midland	2	dsl	800	M-CSCO U15	800	10,000
Price & Co, J A	4	dsl-elec	1350	BRWSTR NE46	1250	12,500
R Rigs Inc	4	dsl	375	Shaffer 6000S	500	8,500
Resource Drlg	2	dsl	1560	NATL 80B	1835	14,000
Rio Colorado Drlg	143	dsl	1200	NATL T45	1100	12,000
Sharp Drlg	48	dsl	790	BETH M58	938	13,500
Sterling Drlg (TX)	9	dsl	1350	BRWSTR N75	1100	14,000
	20	dsl	1260	NATL 610	840	13,000
Trafalgar Drlg	1	dsl	680	NATL T20	486	7,500
Tri-Service Drlg	3	gas-btne	750	OILWELL 76	750	13,000
	6	dsl	1800	OILWELL 96	1800	16,000
TMBR Drlg	17	dsl	350	M-CSCO U15CA	500	9,000
	2	dsl	350	Weiss W45	450	7,000
	6	dsl	700	NATL 75CA	750	12,000

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ANDREWS (Cont'd)						
Verna Corp	38	dsl	1212	M-CSCO U15	800	11,000
	20	dsl	1000	Verna Drlg	1500	16,000
	40	dsl	700	M-CSCO U15 Type	800	11,000
	15	dsl	600	M-CSCO	600	11,500
	6	dsl	550	BRWSTR N55	800	12,000
Warton Drlg	10	dsl-elec	750	NATL 80UE	2100	16,000
ANGELINA						
Lagersen Drlg	5	dsl-elec	1600	EMSCO J750E	1250	16,000
Lester Drlg, Dan	8	dsl	1850	OILWELL 760	1500	16,000
ARCHER						
E & H Drlg	4	gas-LPG	550	M-CSCO U15	550	7,500
Lin-Mour Drlg	4	gas	400	WILSON Mogul	310	5,000
	6	dsl	700	WILSON Giant	700	9,000
ATASCOSA						
Buzzini Drlg	10	dsl	3600	OILWELL M2000	2400	20,000
F-W Drlg	8	dsl	800	BRWSTR N42	750	11,000
M G F Drlg-Houston	30	dsl	750	NATL 610	800	12,000
South Texas Drlg	6	dsl	650	BRWSTR N46	800	10,000
	9	elec	1350	GAR-DEN 1500E	2000	25,000
	8	dsl	600	BRWSTR N46	550	8,000
AUSTIN						
Wilson Bros Drlg	7	dsl	1400	NATL 80B	1400	12,500
BAYLOR						
Lin-Mour Drlg	3	gas	250	UNIT 34	180	5,000
BEE						
B D K Drlg	9	dsl	1480	BRWSTR N75	1000	12,000
PRC Drlg	7	dsl	1700	GAR-DEN 800M	1040	16,000
BORDEN						
Cactus Drlg Corp	19	dsl	800	NATL 50A	800	10,000
Delta Drlg	86	dsl	500	Spencer 7000	480	9,000
Douglas Drlg	1	dsl	700	NATL 50CA	700	10,000
Kenai Drlg of Texas	16	dsl	700	EMSCO GA500	780	11,000
Lee Drlg	1	dsl	1100	BDW 450T	500	9,000
McCutchen Drlg, J W	4	dsl	820	WILSON 90	820	12,000
Moran Bros	63	dsl	1300	NATL T45	550	10,000
Robinson Drlg of Texas	4	dsl	750	NATL 50A	900	12,500
Wes-Tex Drlg	5	dsl	550	NATL 50A	700	10,000
BOWIE						
Delta Drlg	22	dsl	1800	EMSCO D3 Type III	1560	14,000
BRAZORIA						
Bilbo Drlg	4	dsl	800	CABOT/FRANKS 900	900	11,500
Challenger Drlg	48	dsl	1000	UNIT U36	1000	13,000
Delta Drlg	20	dsl-el-scr	2600	EMSCO C2 Type II	3456	20,000
Drillers	15	dsl	1000	OILWELL 66	800	12,000
	5	dsl	900	UNIT U15M	1200	11,000
Frio Drlg	3	dsl	900	BRWSTR N55	900	10,500
	4	dsl	1100	NATL N55	1100	12,000
Goldrus Drlg	18	dsl	1700	1000 CABOT/FRANKS	872	14,000
Loffland Bros	107	dsl	2160	BRWSTR N12	2400	17,000
M G F Drlg-Houston	39	dsl	2200	NATL 125	1500	20,000
M N D Drlg-Southern	10	dsl-elec	1820	BRWSTR N95	1820	20,000
BRAZOS						
Atco Drlg Southern	4	dsl	1550	NATL 55	550	12,000
Basin Drlg	11	dsl	1470	GAR-DEN 700	1220	14,000
	12	dsl	1470	GAR-DEN 700	1220	14,000
Challenger Drlg	35	dsl	800	BRWSTR N75	1200	12,000
Chapman Drlg	107	dsl-mech	1100	BRWSTR Model N46	800	11,000
Merit Drlg	8	dsl-scr	1200	OILWELL 660E	700	11,000
	9	dsl-scr	1200	OILWELL 660E	700	11,000
Nicor Drlg	51	dsl-mech	1600	IDECO H900M	1000	15,000
Pozos Intl Drlg Serv	80	dsl	1890	BRWSTR N46	940	12,500
Rio Colorado Drlg	140	dsl	1200	NATL T45	900	10,000
Rio Grande Drlg	7	dsl	750	OIME SL5	1500	12,000
Spartan Drlg	16	dsl-elec	600	Superior 700UE	750	10,000
	12	dsl-elec	600	Superior 700UE	750	10,000
Sterling Drlg (TX)	10	dsl	1400	BRWSTR N75	1100	13,000
BRISCOE						
Robinson Bros Drlg	26	dsl	1050	IDECO H725	1500	16,000
BROOKS						
Flournoy Drlg	3	dsl	1560	M-CSCO U40	1040	12,000
Frio Drlg	2	dsl	800	NATL J45	600	10,000
Magee-Poole Drlg	4	dsl	1500	CABOT/FRANKS 900	950	11,000/4"
Willis Drlg	4	dsl	1200	BRWSTR N85	1200	14,000

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Avail-able to Drwwks	Rated Depth with 4½" Pipe
BURLESON						
B D K Drlg	6	dsl	1000	BRWSTR 4610	950	10,000
Bilbo Drlg	3	dsl	900	CRDWLL KB250	600	8,000/4"
Blocker Drlg-Alice	19	dsl	1475	CABOT/FRANKS 2346	950	10,000
	18	dsl	1475	CABOT/FRANKS 2346	950	10,000
Chapman Drlg	101	dsl-mech	1800	NATL 610	750	12,500
D B Drlg	25	dsl	410	UNIT U15	825	11,000
	7	dsl	1380	NATL 50A	980	11,500
F-W Drlg	14	dsl	800	IDECO	750	11,000
M G F Drlg-Houston	8	dsl	800	UNIT U15	550	10,500
	6	dsl	600	NATL T32	500	9,000
	7	dsl	700	BRWSTR N55	800	11,000
Rainbow Drlg	3	dsl	1600	CABOT/FRANKS 900	900	11,000
Resource Drlg	17	dsl	1560	NATL 80B	1835	14,000
	RD-20	dsl	1040	NATL 610	1220	12,000
	16	dsl	1560	NATL 80B	1835	14,000
Southland Drlg	6	dsl	600	Howard-Turner 1887600TD	600	8,500
CALDWELL						
McConnell Drlg	1	dsl	300	NATL T12	200	4,000
Nixon Drlg	6	dsl	300	Stuart	300	4,000
	5	dsl	300	WILSON	300	4,000
	1	dsl	300	Crdwll CatD	300	4,000
	4	dsl	300	Stuart	300	4,000
CALHOUN						
Penrod Drlg	132	dsl	1000	NATL 80B	1760	
	128	dsl	1000	NATL 80B	1760	15,000
CALLAHAN						
F-W Drlg	3	dsl	600	NATL T12	407	5,000
I X Drlg	7	dsl	476	Crdwll S350	416	7,500
Mesa Drlg	5	dsl	725	TSM 6000	450	7,500
Morrison Drlg & Prod	101	dsl	450	NATL T20	476	6,000
CAMERON						
Goldrus Drlg	23	dsl	870	CABOT/FRANKS 900	830	12,000
CAMP						
Butler-Johnson	14	dsl-elec	2000	GAR-DEN 1100E	2000	20,000
CARSON						
Service Drlg (OK)	1	dsl	300	UNIT RU34	400	5,500
CASS						
France Drlg	5	elec	2400	OILWELL 760E	2400	17,000
Thunderbolt Drlg	52	dsl	1700	NATL 55	1845	13,000
United Drlg Div	10	dsl	950	UNIT U34	470	6,500
CHAMBERS						
Big 6 Drlg	7	dsl	800	IDECO	600	10,000
Chapman Drlg	104	dsl-elec	1500	BRWSTR N46E	750	13,000
	105	dsl-elec	1600	NATL 610E	750	13,000
Cinco Drlg	1	dsl	900	M-CSCO U15	780	11,000
Diamond M Land Drlg	107	dsl	1750	WILSON Mod 90	1605	12,500
FWA Drlg	16	dsl	1350	WILSON Mogul 42	730	9,000
M G F Drlg-Lafayette	43	dsl	1800	OILWELL 96	1200	18,000
M N D Drlg-Southern	11	dsl-elec	1820	BRWSTR N95	1820	20,000
Nicor Drlg	67	dsl-elec	1700	OILWELL 660E	800	12,000
Richards Drlg	3	dsl	1800	BRWSTR N75	1200	12,500
Sanders Drlg	1	dsl	2000	EMSCO A800	1100	14,000
South Texas Drlg	4	dsl	1000	BRWSTR 1046	750	10,000
T-L Drlg	20	dsl	2700	BRWSTR N95A	2700	17,000
CHEROKEE						
Forex Neptune and/or Affil	47	dsl-elec	3200	GAR-DEN 1100E	1500	18,000
Gibson Drlg	9	dsl	1030	WILSON Mogul 75P	700	9,000
Lester Drlg, Dan	10	dsl	1800	OILWELL 860	2400	20,000
Noble Drlg	OW-77	dsl	800	OILWELL 760	800	14,000
Rowary Drlg	10	dsl	850	Spencer 7000	700	10,600
	9	dsl	800	EMSCO	700	10,500
Wheless Drlg	10	dsl	1800	EMSCO C13	1800	16,000
CHILDRESS						
Luke Grace Drlg	1	gas-btne	500	M-CSCO U15	750	10,500
CLAY						
Bearden Drlg, Jack E	7	dsl	600	WILSON Mogul 42	400	6,500
Bennett Prod Corp	1	dsl	900	UNIT R15	900	13,000
	2	dsl	900	UNIT R15	900	13,000
Burns L D Drlg	5	dsl	744	BETH S55	780	10,000
	2	dsl	900	WILSON 75	780	10,500
Lin-Mour Drlg	31	gas	700	WILSON Giant	700	9,000
	33	gas	550	WILSON Giant	550	9,500
	8	gas	400	EMSCO G42	400	6,500
Megargel Drlg	16	dsl	500	Schaffer S8000	500	8,000
Min-Tex Drlg	34	dsl	400	Hyster Mod B	500	7,500
Theiss Drlg	2	dsl	900	EMSCO U15	900	10,000
COCHRAN						
Cherokee Drlg & Dev	3	dsl	1150	WILSON 75	900	11,000
Sitton Drlg	5	dsl	450	WILSON 75P	900	11,500
COKE						
FWA Drlg	14	dsl	900	WILSON Mogul 42	600	7,500
GCO Drlg	1	dsl	640	NATL T20	450	7,500
COLEMAN						
Bandera Drlg	9	dsl	700	MAC 300	475	7,500
Safari Drlg	8	dsl		Detroit Diesel 8V		8,000
	7	dsl	480	EMSCO G42	560	7,000
COLLIN						
Moran Drlg, E W	6	dsl	950	BETH S55	750	11,000
COLORADO						
Cinco Drlg	11	dsl-elec	2000	Superior 1000	1000	16,000
Delta Drlg	87	dsl-scr	2000	EMSCO D3 Type II	2592	16,000
	81	dsl	1300	Spencer 7000	480	9,000
Eagle Prod & Drlg Serv	9	dsl-elec	1600	OILWELL E700	1400	12,000
Frio Drlg	1	dsl	800	EMSCO 350	550	9,500
Loffland Bros	77	dsl	1450	NATL 100	1575	15,000
Merit Drlg	10	dsl-scr		OILWELL 700E	1000	15,000
Padre Drlg	6	dsl	500	BRWSTR H4210	400	7,500
COMAL						
Loffland Bros	331	dsl	2160	M-CSCO U1220	2400	20,000
CONCHO						
Lynx Drlg	1	dsl	1000	UNIT U15	720	10,000
McBay Oil & Gas	1	dsl	3406	WILSON Super 38	3306	5,000
Mellon Drlg	3	dsl	750	BETH S50	375	6,200
COOKE						
Felderhoff Bros Drlg	2	dsl	950	WILSON Giant	650	9,500
	1	dsl	285	WILSON Mogul	185	5,500
COTTLE						
Bearden Drlg, Jack E	9	dsl	1200	WILSON Mogul Super 42	900	9,000
Safari Drlg	1	dsl	640	UNIT U15	640	10,000
CRANE						
Cactus Drlg Corp	20	dsl	800	BRWSTR N45	800	7,000
Hillin Drlg	6	dsl	500	IDECO H25 Trailer Rig	360	5,000
	8	dsl	500	WILSON 42 Mogul	400	6,000
Johnn Drlg	8	gas	800	BRWSTR N75	800	12,500
	4	dsl	700	M-CSCO U15	700	8,500
Kenai Drlg of Texas	32	dsl	1200	EMSCO GA500	800	11,000
Norwood, A N	1	dsl	450	WILSON Super 38	350	5,500
TMBR Drlg	18	dsl	500	M-CSCO U15CA	840	10,000
CROCKETT						
D B Drlg	12	dsl	2000	NATL 100	1500	16,000
	14	dsl	1290	NATL 50A	950	11,000
Delta Drlg	70	dsl	300	Spencer 6000	380	7,000
Loffland Bros	118	dsl-elec	3300	M-CSCO U1220EBD	3300	25,000
Rod Ric	4	dsl	750	IDECO H40	600	8,500
Santa Fe Drlg Western	12	dsl-elec	2000	EMSCO A1100E	1800	19,000
Sterling Drlg (TX)	11	dsl	375	IDECO H30	480	6,500
Tucker Drlg	11	dsl	525	BDW 800	1200	14,000
TMBR Drlg	26	dsl	700	GAR-DEN 500	700	11,000
Wes-Tex Drlg	15	dsl	335	BRWSTR N4	500	8,000
	2	dsl	650	BETH S45E	650	10,000
CULBERSON						
Kenai Drlg of New Mexico	2	dsl	2000	EMSCO J1100	2000	15,000
Verna Corp	11	dsl	550	M-CSCO U15	810	11,500
DAWSON						
Ard Drlg	4	dsl	900	M-CSCO U15	900	12,000
Cactus Drlg Co	59	dsl	520	BRWSTR N4	454	6,000
	52	dsl	520	IDECO H35	454	6,500
FWA Drlg	8	dsl	1065	WILSON Giant	900	11,000
Holliday Drlg	2	dsl	1200	OILWELL 76	1200	14,000
Hondo Drlg	7	gas	1000	BRWSTR N55	750	12,000
M G F Drlg-Midland	9	dsl	850	EMSCO GC500	850	14,000
Republic Drlg & Serv	4	dsl-elec	1200	OILWELL 760E	1000	14,000
Robinson Drlg of Texas	6	dsl	950	BETH M58	1350	12,500
Sledge Drlg, D	3	gas	650	NATL 50A	850	12,500
DE WITT						
B D K Drlg	10	dsl	1000	BRWSTR N46	900	10,000
Corpus Christi Drlg	5	dsl	300	WILSON Super 38	250	6,000
Magee-Poole Drlg	1	dsl	1500	CABOT/FRANKS 900	950	11,000/4"
Southland Drlg	2	dsl	1300	BRWSTR 75A	1150	12,000
DICKENS						
Verna Corp	10	dsl	700	M-CSCO U36A	1200	12,000
Wes-Tex Drlg	14	dsl	335	BRWSTR N4	500	8,000
DIMMIT						
Blocker Drlg-Alice	6	dsl	1500	CABOT/FRANKS HT Expl Rocket	950	10,000
Cothrum Drlg	11	dsl	250	GAR-DEN 2108	250	10,000
Dixon Drlg	12	dsl	900	BRWSTR N4	450	7,000
	10	dsl	900	BRWSTR N46	950	18,000

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Avail-able to Drwwks	Rated Depth with 4½" Pipe
DUVAL						
Chapman Drlg	301	dsl-elec	3200	GAR-DEN 3000E	3000	30,000
Corpus Christi Drlg	6	dsl	300	BRWSTR 550	450	6,000
Delta Drlg	88	dsl-scr	2600	EMSCO C1 Type II	3456	18,000
	95	dsl-elec	2900	EMSCO CI Type II	3456	20,000
Dixilyn-Field Drlg	4	dsl	2600	NATL 1625M	3105	30,000
Harkins & Co	4	dsl	1260	BRWSTR N75A	1260	12,500
	6	dsl	1260	BRWSTR N75A	1260	12,500
	1	dsl	1800	EMSCO C Type III	1800	18,000/5"
	9	dsl	2100	EMSCO A1100	2100	18,000/5"
Magee-Poole Drlg	3	dsl	940	CABOT/FRANKS 750	608	9,000/4"
Matagorda Marine Drlg	11	dsl	2600	NATL 110	2000	18,000
Penrick Drlg	103	dsl-elec	2200	BRWSTR NE46	900	14,000
Penrod Drlg	124	dsl	1600	NATL 1625M	3000	30,000
Richards Drlg	9	dsl-elec	3400	OILWELL E3000	3000	30,000
Sundown Drlg	8	dsl	600	BRWSTR N42	550	11,000
EASTLAND						
Bandera Drlg	4	dsl	750	BDW 450T	540	8,500
	1	dsl	750	MAC 300	475	7,500
Brunner Drlg	7	dsl		Wichtex	350	5,000
J & W Drlg	3	dsl	280	WILSON Mogul 42	440	6,000
	2	gas	180	IDECO 150	180	3,500
	1	gas-dsl	180	Harris 5000	340	5,000
Wes-Mor Drlg	2	dsl		M-CSCO U34		6,000
	11	dsl		WILSON Roadair		6,000
ECTOR						
Atco Drlg Southern	15	dsl	1050	IDECO H35	350	7,000
BJM Drlg & Expl	2	dsl	800	UNIT U34	800	8,000
Cactus Drlg Co	65	dsl	520	BRWSTR N4	454	6,000
Cherokee Drlg & Dev	6	dsl		BDW 450	670	7,000
D & R Drlg	1	steam	1800	NATL 3410FE	1700	14,000
	2	steam	2000	EMSCO EFP	1700	20,000
Delta Drlg	98	dsl	1500	WILSON Giant Roadair	784	12,500
Hillin Drlg	9	dsl	600	IDECO H40	600	8,000
Hurt & Assoc, Clint	11	dsl	1200	WILSON 75	900	11,000
Johnn Drlg	5	dsl	700	M-CSCO U15	700	8,500
Kenai Drlg of New Mexico	10	dsl	365	EMSCO GA250T	425	6,500
Kenai Drlg of Texas	15	dsl	600	EMSCO GB500	800	11,000
	20	dsl	500	EMSCO GB250T	400	6,500
Norwood, A N	2	dsl	700	BRWSTR N4	450	6,000
	4	dsl	600	NATL T20	450	6,000
	3	gas	1000	BRWSTR N4	450	6,000
Price & Co, J A	3	dsl	1000	GAR-DEN Model 3000	370	5,000
R Rigs Inc	3	dsl	375	MAC 400	400	8,500
Rod Ric	11	dsl	450	NATL T20	440	5,000
Sharp Drlg	370	dsl-elec	1488	UNIT U712EC	1995	18,000
	73	dsl-elec	4250	EMSCO C3	4640	30,000
Sterling Drlg (TX)	4	dsl	1075	NATL 50A	900	12,000
	3	dsl	800	NATL 50CA	820	10,000
	22	dsl	1520	NATL 610	1100	13,000
TMBR Drlg	1	dsl	350	M-CSCO U15CA	500	6,000
Warton Drlg	2	dsl	970	NATL 50A	1100	11,000
ERATH						
I X Drlg	1	dsl	950	EMSCO G500	950	8,500
FAYETTE						
Atco Drlg Southern	55	dsl	2000	NATL 80UE	1000	15,000
	18	dsl-elec	2000	NATL 80UE	1000	15,000
Badger Expl	3	dsl	900	KREMCO 1000	900	13,000
Cinco Drlg	9	dsl	1700	Beth 650	1100	16,000
Diamond M Land Drlg	172	gas	1750	NATL 110M	2550	16,000
Eltex Drlg Contractors	258	dsl	615	BRWSTR N75	1230	13,500
Louise Drlg	1	dsl	2684	IDECO H40	1006	11,000
Resource Drlg	4	dsl	1560	NATL 80B	1835	14,000
Rio Colorado Drlg	139	dsl	1200	NATL T45	900	10,000
	138	dsl	1750	IDECO H1000	1000	11,000
South Texas Drlg	5	dsl	500	BRWSTR N45	500	8,000
Sterling Drlg (TX)	5	dsl	1230	NATL 50CA	820	11,000
	19	dsl	1110	BRWSTR N46	770	11,000
	15	dsl	1400	BRWSTR N75	1100	14,000
	1	dsl	900	NATL 50A	900	12,000
	16	dsl	1400	BRWSTR N75	1230	14,000
	7	dsl	850	NATL 50A	900	12,000
FISHER						
F-W Drlg	7	dsl	600	BRWSTR N4	500	7,000
Lynx Drlg	4	dsl	750	TSM-6000	540	9,000
Wes-Tex Drlg	19	dsl	600	BRWSTR N4	600	8,000
FOARD						
F-W Drlg	4	dsl	500	M-CSCO U34	500	7,000
FORT BEND						
B D K Drlg	8	dsl	1000	BRWSTR 4610	750	10,000
Bawden Drlg, Peter (TX)	5	mech	2000	NATL 110M	1500	18,000
	26	mech	1550	OILWELL 76	700	13,000
Eltex Drlg Contractors	101	dsl	615	EMSCO D2	1230	12,500
Penrick Drlg	101	dsl-elec	2000	NATL L130	2000	20,000
Woolf & Magee	11	dsl	650	BETH S45E	500	9,500
FREESTONE						
Bawden Drlg, Peter (TX)	4	elec-scr	2000	NATL 80UE	1000	14,000
Eagle Prod & Drlg Serv	5	dsl-elec	2000	OILWELL E2000	2000	25,000
France Drlg	8	dsl	2400	OILWELL 760E	2400	17,000
FWA Drlg	28	dsl	2700	GAR-DEN 1100M	1560	18,000
	27	dsl	2000	GAR-DEN 800M	1560	15,500
Globe Drlg	7	dsl	3000	GAR-DEN 1100	1500	20,000
	6	dsl	700	EMSCO C50	700	10,000
Hinton Drlg, W B	7	dsl	1600	NATL 80B	1650	15,000
Justiss Oil	30	dsl	1000	BETH 1013	1400	17,000
O'Neal Drlg	15	dsl-elec	2000	GAR-DEN 800	1500	18,000
	14	dsl	15000	NATL 80B	1500	15,000
Rainbow Drlg	6	dsl	1600	CABOT/FRANKS 900	900	11,000
Tricon/B-E Drlg	2	dsl	1200	NATL 55	1200	12,000
	3	dsl	900	All Rig 900	900	12,000
FRIO						
Cactus Drlg Co	61	dsl	520	NATL T20	460	6,000
	62	dsl	520	IDECO H35	454	6,500
F & N Drlg	1	dsl	525	Kremco K600	600	8,000
GAINES						
BJM Drlg & Expl	6	dsl	1200	UNIT U15	1000	12,000
Cactus Drlg Co	72	dsl	520	NATL T20	454	6,000
	66	dsl	520	BRWSTR N4	454	6,000
Cactus Drlg Corp	15	dsl	1200	BETH 650	1200	15,000
Cherokee Drlg & Dev	5	dsl	900	BDW 450	531	7,000
Edsco Drlg	2	dsl	425	Wlkr-Nr 25040	425	6,000
Hillin Drlg	3	dsl	500	BDW 450T	575	7,500
Hondo Drlg	9	dsl	900	BRWSTR N45	700	10,000
Republic Drlg & Serv	10	dsl-elec	2000	OILWELL 700E	1000	14,000
Rod Ric	8	dsl	670	BRWSTR N45	600	8,000
	10	dsl	670	EMSCO G500	600	8,500
	7	dsl	900	Wgnr-Mrhse Helihoist	900	10,000
	3	dsl	670	BRWSTR N45M	820	9,000
TMBR Drlg	3	gas	700	NATL 50	700	10,500
Willbros Drlg	8	dsl	800	UNIT U15	800	11,000
	3	dsl	800	UNIT U15	800	11,000
GALVESTON						
Richards-Armstrong	7	dsl	1900	CABOT/FRANKS 1000	900	12,500
GLASSCOCK						
Hondo Drlg	2	dsl	1050	BRWSTR N55	700	10,000
M G F Drlg-Midland	10	dsl	900	BETH M56	900	12,000
Matagorda Drlg	14	dsl	2600	NATL 110	2000	18,000
Matagorda Marine Drlg	12	dsl	2000	NATL 80B	1500	15,000
Rosamond Drlg	5	dsl	1450	BETH MC450	1275	13,500
Sterling Drlg (TX)	21	dsl	1180	BRWSTR N46	770	11,000
Tri-Service Drlg	4	gas-btne	700	OILWELL 66	700	10,000
TMBR Drlg	25	dsl	700	GAR-DEN 500	700	11,000
Wes-Tex Drlg	11	dsl	450	BETH S55	700	10,000
Willbros Drlg	2	gas	1150	WILSON Giant	840	10,000
GOLIAD						
J 3 Drlg	3	dsl	1100	UNIT U34B	750	8,500
Resource Drlg	15	dsl	1560	NATL 80B	1835	14,000
GONZALES						
Badger Expl	5	dsl	700	NATL 370	700	10,000
Challenger Drlg	36	dsl	650	NATL G45	700	9,500
Cinco Drlg	2	dsl	890	NATL T32	850	8,000
	4	dsl	1005	BRWSTR N45	780	8,500
I X Drlg	9	dsl	850	Shaevco	650	10,000
Ladrido Drlg	2	dsl	1000	UNIT U15	1050	12,000
	3	dsl	1350	UNIT U15	1050	12,000
Williams Drlg of South TX	4	dsl	800	IDECO BIR8085	950	11,500/4"
GRAY						
Hudson Drlg, Leonard	4	dsl	900	UNIT U15	900	11,500
	7	dsl	900	UNIT U15	900	11,500
Service Drlg (OK)	11	dsl	400	UNIT RU34	400	5,500
GRAYSON						
Guffey-Schlensker Drlg	1	dsl	700	UNIT U36A	933	11,000
Henley Drlg	220	dsl	1200	CABOT/FRANKS 900	900	10,000
Jones Drlg Corp	14	dsl	1200		1200	14,000
Moran Drlg, E W	15	dsl	950	BETH S55	550	10,000
	3	dsl	1300	GAR-DEN	800	14,000
Schlensker Drlg	8	dsl	635	WILSON Mogul 42	475	7,000
	4	gas	700	UNIT U15	800	10,000
	1	gas	700	NATL 75CA	1050	14,000
Viersen & Cochran Drlg	19	dsl	800	NATL 610	830	12,000
GREGG						
Delta Drlg	69	dsl		Spencer 7000	480	9,000
Dixon Drlg	7	dsl	1700	BRWSTR N46	950	12,500
Globe Drlg	5	dsl	850	OILWELL 76	1000	14,000
Justiss Oil	32	gas-btne	700	BETH 450	900	12,000

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
GREGG (Cont'd)						
McMurrey Petr	1	dsl	800	Spencer	750	10,000
Transcontinental Drlg-San Angelo	95	dsl	750	GAR-DEN 500	750	12,000
GRIMES						
Chapman Drlg	401	dsl-elec	1000	BDW 800MX	1000	14,100
	203	dsl-elec	2600	BRWSTR NE95	1700	19,000
Rio Grande Drlg	8	dsl	550	NATL 370	770	10,000
GUADALUPE						
Nixon Drlg	3	dsl	300	Crdwll	300	4,000
	2	dsl	300	Crdwll	300	4,000
HANSFORD						
Baker & Taylor Drlg	10	dsl	870	M-CSCO U15	870	11,000
Jones Drlg Co, Loyd	88	dsl	1200	CABOT/FRANKS 750	750	10,000
Midco Drlg	3	dsl	750	UNIT 750	750	13,000
HARDEMAN						
Bearden Drlg, Jack E	8	dsl	1200	WILSON 75	900	9,500
Bennett Prod Corp	4	dsl	900	Permian 1000	900	13,000
	3	dsl	900	UNIT R15	900	13,000
Burns L D Drlg	6	dsl	1360	UNIT U36A	780	14,000
C M D Drlg	1	dsl	400	WILSON Mogul 42	400	7,000
Crawford Drlg	2	dsl	600	M-CSCO U15	800	10,000
	4	dsl	600	M-CSCO U15	800	10,000
	11	dsl	600	NATL 50A	800	11,000
	10	dsl	800	EMSCO GB800	800	14,000
	5	dsl	600	M-CSCO U15	800	10,000
	6		600	M-CSCO	800	10,000
	7	dsl	600	M-CSCO U15	800	10,000
	9	dsl	350	WILSON Roadaire	350	7,000
	8	dsl	350	OILWELL 64B	350	9,500
	1	dsl	350	M-CSCO U15	800	8,500
	3	dsl	350	WILSON Giant	350	6,500
Highbridge Drlg	33	dsl	950	UNIT U15	900	11,500
	32	dsl	950	UNIT U15	850	11,000
Lee Drlg	2	dsl	850	BDW 450T	550	9,000
	3	dsl	1100	BDW 450T	700	9,000
Moran Drlg, E W	23	dsl	1400	WILSON 75	900	11,000
	18	dsl	860	Spencer 7000	450	9,500
	19	dsl	1200	WILSON 75	900	11,000
Theiss Drlg	1	dsl	900	BRWSTR H46	900	10,000
HARDIN						
Big 6 Drlg	6	dsl	800	CABOT/FRANKS	950	12,000
Challenger Drlg	47	dsl	700	GAR-DEN 500	600	8,000
	21	dsl	900	BRWSTR N75	1000	12,000
Delta Drlg	15	dsl	1800	EMSCO D3 Type III	1040	13,500
Dixilyn-Field Drlg	3	dsl	1300	BRWSTR N75	1020	12,000
Glasscock Drlg	62	dsl	2000	NATL 110	1700	16,000
Helmerich & Payne Intl Drlg	79	dsl-scr	2200	NATL 110UE	1500	20,000
Loffland Bros	322	dsl	1800	GAR-DEN 800	2100	16,000
M G F Drlg-Houston	32	dsl	750	NATL 610	800	12,000
Pozos Intl Drlg Serv	81	dsl	1890	BRWSTR N46	940	12,500
Richards Drlg	8	dsl	2500	OILWELL 860	2400	18,000
Stone Drlg, M L	2	gas	300	WILSON Jr	100	2,000
	8	dsl	350	WILSON Super	200	3,000
	6	gas-btne	100	Cooper-Small	100	
HARMON						
Lin-Mour Drlg	2	gas	380	EMSCO G350	380	6,500
HARRIS						
Bailey Drlg, Pernie	21	dsl	500	EMSCO J750	800	11,000
Big 6 Drlg	2	dsl	800	CABOT/FRANKS	600	10,000
Blocker Drlg-Houston	47					20,000
Challenger Drlg	26	dsl	30	NATL T20	600	5,000
Delta Drlg	90	dsl-elec	2000	EMSCO D3 Type II	2592	16,000
Diamond M Land Dirg	173	dsl-elec	2700	M-CSCO 914EU	3000	16,000
Diamond M Land Drlg	175	dsl	2000	M-CSCO 1220	2000	25,000
Drillers	S-1	dsl-hydra	400	Shaft CSD620	400	1,000/8.63"
Richards-Armstrong	6	dsl	2500	OILWELL 860	2400	18,000
Rio Colorado Drlg	141	dsl	1200	NATL T45	900	10,000
T-L Drlg	10	dsl	2000	BRWSTR N75	1200	12,500
HARRISON						
Butler-Johnson	13	dsl	1200	BRWSTR N75B	1200	13,000
Exeter Drlg Southern	45	dsl	2000	GAR-DEN 700	1000	12,500
Gibson Drlg	2	dsl	526	WILSON Mogul 65	398	5,000
Justiss Oil	33	dsl	1000	OILWELL 96	1400	17,000
	10	dsl	500	BRWSTR N45	600	10,000
Lohmann Drlg	5	dsl	300	NATL 50	440	4,500
Noble Drlg	N-59	dsl	800	NATL 55	800	12,000
Sawyer Drlg & Serv	15	dsl	800	UNIT U40D	800	14,000
HASKELL						
Dixon Drlg	8	dsl	900	BRWSTR N42	650	8,000
Hack Drlg	3	dsl	350	BETH S45E	350	7,000
Sojourner Drlg	6	dsl		M-CSCO U15	550	7,000
Wes-Mor Drlg	12	dsl	2500	UNIT U15	2500	9,000

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
HEMPHILL						
Baker & Taylor Drlg	12	dsl	870	M-CSCO U15	870	11,000
	4	dsl	1140	M-CSCO U20	1140	18,000
	5	dsl	1400	M-CSCO U20	1400	22,000
	11	dsl	1140	EMSCO GCA500	1140	12,000
	14	dsl	1140	M-CSCO U40	1140	18,000
Eason Oil	21	dsl-elec	2000	EMSCO D2	750	13,000
Helter Skelter Drlg	1	dsl	1000	BRWSTR N46	950	10,000
Hickman Drlg	6	dsl	1450	BDW 800	1100	15,000
King Drlg	1	dsl	1177	Crdwll 700	800	12,000
	9	dsl	1177	Crdwll 700	800	12,500
Midco Drlg	1	dsl	680	UNIT U15	680	9,000
Moran Drlg, E W	13	dsl	1400	GAR-DEN 700	800	13,000
	29	dsl	1400	GAR-DEN 700	800	13,000
Pulliam Drlg	11	dsl	2400	NATL 80B	1600	15,000
Robinson Bros Drlg	1	dsl	1750	BRWSTR N75	1500	12,000
	16	dsl	1500	GAR-DEN 1100E	1500	20,000
Spartan Drlg	9	dsl-elec	1000	Superior 1000UE	1000	16,000
Unit Drlg & Expl	19	dsl	700	GAR-DEN 500	800	13,000
	11	dsl	1100	GAR-DEN 700	1300	15,000
HENDERSON						
Delta Drlg	40	dsl	1500	EMSCO D2 Type III	784	11,000
Henley Drlg	6	dsl	2580	EMSCO D3	1720	14,000
Lohmann Drlg	17	gas	800	M-CSCO U15 SN356	600	10,000
Schlensker Drlg	5	dsl	950	UNIT U15	950	10,000
HIDALGO						
Alanco Drlg	3	dsl	1425	IDECO H1000	975	11,000
Chapman Drlg	102	dsl-mech	2000	OIME SL7	1000	12,500
Delta Drlg	94	dsl-scr	2000	EMSCO D3 Type II	2592	16,000
Dixilyn-Field Drlg	23	dsl	2800	OILWELL 860	2331	18,000
	18	dsl	2245	UNIT U914C		20,000
	9	dsl	2650	NATL 130	2331	25,000
	12	dsl	2600	NATL 110M	2331	18,000
F-W Drlg	11	dsl	750	BRWSTR N46	800	12,000
	16	dsl	1000	BRWSTR N46	800	13,000
Flournoy Drlg	9	dsl	900	EMSCO C50	480	9,000/4"
	8	dsl	800	IDECO BIR800	950	10,000
Harkins & Co	7	dsl	1650	NATL 110	1650	16,000/5"
Magee-Poole Drlg	6	dsl	2000	OIME SL7	1300	16,800
Southland Drlg	7	dsl	650	BRWSTR N55	600	10,000
	10	dsl	1800	BETH 810	1600	17,000
Willis Drlg	8	dsl	1600	BDW 800	1100	12,000
	5	dsl	800	M-CSCO U15	800	10,000
	6	dsl	3000	IDECO	3000	25,000
	7	dsl	2500	BRWSTR N95	2500	18,000
	2	dsl	1000	BETH B-Line MC450	1000	12,000
HILL						
Verna Corp	29	dsl	1000	M-CSCO U15	600	10,000
HITCHCOCK						
Eagle Prod & Drlg Serv	10	dsl-elec	1600	NATL 80UE	1600	16,000
HOCKLEY						
Cactus Drlg Co	54	dsl	520	BETH S55	454	6,500
Cactus Drlg Corp	34	dsl	1200	NATL 75	1200	11,500
Chico Drlg	1	dsl	1100	BDW 650M	878	12,500
	4	dsl	1000	UNIT U15A	878	11,000
	3	dsl	1300	EMSCO D2	1240	14,000
D B Drlg	3	dsl	675	BRWSTR N4	480	7,000
	10	dsl	675	BRWSTR N4	480	7,500
Norton Drlg	1	dsl	450	WILSON 65P	850	10,000
	5	dsl	550	WILSON 75	850	10,500
	3	dsl	475	WILSON 75	850	10,500
	9	elec	1350	GAR-DEN 110E	1500	20,000
Rod Ric	9	dsl	750	IDECO H35	600	8,000
Sitton Drlg	2	dsl	650	WILSON 75P	900	11,500
	4	dsl	650	WILSON 75P	900	10,000
Verna Corp	3	dsl	500	BRWSTR N45	500	6,500
	9	dsl	600	IDECO H40	500	6,500
	8	dsl	500	IDECO H40	500	6,500
HOPKINS						
Verna Corp	24	dsl	550	M-CSCO U15	600	10,000
HOUSTON						
Atco Drlg Southern	59	dsl-elec	2600	EMSCO 11C	2000	18,000
Bawden Drlg, Peter (TX)	15	dsl-scr	1600	NATL 610E	750	12,000
Helmerich & Payne Intl Drlg	87	dsl-el-scr	800	NATL 1625ME	3000	30,000
M G F Drlg-Houston	38	dsl	1600	EMSCO C1	1200	17,000
Resource Drlg	19-RD	dsl	1040	NATL 610	1220	12,000
Westburne Drlg Canada	72	dsl	870	NATL T32	360	7,500
	55	elec-scr	3310	NATL 1320UE	3310	22,000
HOWARD						
Cherokee Drlg & Dev	2	dsl	1150	WILSON 75	900	1,100
Corky Drlg	1	dsl	325	Crdwll 350	350	6,000
D B Drlg	24	dsl	720	UNIT U15	720	11,000
GCO Drlg	8	dsl	1000	NATL 370	650	9,500
	4	dsl	1200	BDW 650M	650	10,000
Hurt & Assoc, Clint	9	dsl	1300	WILSON 75	900	11,000
R Rigs Inc	1	dsl	350	GAR-DEN 3000	350	6,000

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
TEXAS (Cont'd)						
HOWARD (Cont'd)						
Riley Drig	3	dsl	300	M-CSCO U34	225	4,000
	2	dsl	300	NATL	300	4,500
Robinson Drig of Texas	3	dsl	750	M-CSCO U15	900	10,000
	5	dsl	750	M-CSCO U15	900	9,500
Safari Drig	5	dsl	370	EMSCO GA250T	280	5,000
Wes-Tex Drig	16	dsl	335	BRWSTR N4	500	8,000
HOWARD & MITCHELL						
Fiscus Drig	1	dsl	350	WILSON Super 385	200	3,200/4"
HUTCHINSON						
Mercury Drig	4	dsl	750	EMSCO Unit U15	980	12,000
Service Drig (OK)	7	dsl	300	BETH S45	900	6,000
Service Drig (TX)	6	dsl	300	M-CSCO U34	300	4,500
	1	dsl	300	M-CSCO U34	300	4,500
	7	dsl	300	BETH S45	300	5,500
IRION						
D B Drig	8	dsl	830	BETH S55	700	10,000
	9	dsl	830	UNIT U34	530	7,500
	5	dsl	675	BRWSTR N4	540	7,500
Mellon Drig	2	dsl	1300	EMSCO GB350	750	10,000
	1	dsl	750	EMSCO GB250	570	7,800
Tucker Drig	9	dsl	750	NATL	750	10,000
JACK						
E & H Drig	1	dsl	700	M-CSCO U15	700	7,500
	5	gas-LPG	550	WILSON Giant	550	7,500
Megargel Drig	2	dsl	750	UNIT Double Jacknife U15	750	7,000
Originala Drig	2	dsl	400	WILSON Giant	400	7,000
	1	dsl	400	WILSON Super 38	400	6,000
	3	dsl	400	NATL 50A	400	8,500
Simmons Drig	46	dsl	350	Troy M600	350	7,500
JACKSON						
FWA Drig	24	dsl	1350	WILSON Mogul 42	720	11,000
G-E Drig	6	dsl	1200	NATL 50CA	900	10,100
Howell Drig	1	dsl	1000	CABOT/FRANKS 900	900	11,000
JASPER						
Blocker Drig-Alice	7	dsl	1400	CABOT/FRANKS Series 900	950	10,000
Glasscock Drig	73	dsl	1000	NATL 110M	1500	18,000
Goldrus Drig	21	dsl	1200	CABOT/FRANKS 1000	872	13,500
Henley Drig	8	dsl	2580	EMSCO D3	1720	14,000
JEFFERSON						
Bawden Drig, Peter (TX)	3	elec-scr	2100	NATL 110E	1500	16,000
Chapman Drig	202	dsl-elec	2600	BRWSTR NE95	1700	19,000
Cliffs Drig	29	dsl	2600	NATL 110	2475	20,000
Delta Drig	6	dsl	2600	EMSCO C1 Type III	2592	22,000
France Drig	2	dsl	1700	OILWELL 760	1700	17,000
Goldrus Drig	19	dsl	1110	CABOT/FRANKS 750	580	10,000
Loffland Bros	110	dsl	2160	BRWSTR N12	2400	20,000
Matagorda Marine Drig	16		750	M-CSCO U36A	820	12,000
Richards Drig	11	dsl	2500	OILWELL 860	2400	18,000
JIM HOGG						
Challenger Drig	46	dsl	900	IDECO 750	900	10,000
Dixilyn-Field Drig	24	dsl	2500	OILWELL 860	2331	18,000
Eagle Prod & Drig Serv	2	dsl-elec	2000	OILWELL E2000	2000	25,000
Magee-Poole Drig	12	dsl	1500	CABOT/FRANKS 900	950	11,000/4"
JIM WELLS						
Blocker Drig-Alice	2	dsl	1130	CABOT/FRANKS Series 750	650	9,500
	16	dsl	1080	CABOT/FRANKS Explorer III	950	12,000
	14	dsl	2900	NATL 110	2730	20,000
	9	dsl	1115	IDECO H1000	850	10,000
	8	dsl	1820	CABOT/FRANKS Expl 111 1200	1400	14,000
	3	dsl	1820	CABOT/FRANKS Expl Rocket 111	950	12,000
	4	dsl	1800	NATL 55	1500	12,000
Dixilyn-Field Drig	6	dsl	2000	UNIT 914-B	1536	20,000
	14	dsl	2200	OILWELL 840E	2000	20,000
Flournoy Drig	7	dsl	1775	OILWELL 76	1176	13,500
Murlynson Drig	10	dsl	1000	M-CSCO U15	600	10,000
Murphy Drig, Pete	1	dsl	800	Crdwll C Horse	300	6,000
Pearl Expl	2	dsl	600	WILSON 65	600	8,500
	1	dsl	600	WILSON Model 65	500	7,000
JONES						
Dixon Drig	11	dsl	700	NATL T20	450	7,500
	9	dsl	700	Spencer 5000 Port	450	6,000
TEXAS (Cont'd)						
KARNES						
Atco Drig Southern	52	dsl	1500	M-CSCO U40	900	12,000
Delta Drig	101	dsl-scr	2600	EMSCO C1 Type II	2730	20,000
San Patricio Corp	6	dsl	1500	Shaffer 800	900	13,000
Spur Drig	2	dsl	2000	GAR-DEN 800	1000	17,000
KAUFMAN						
Little-Deutag	T-37	dsl	1600	Cooper LTO750	750	10,000
KENEDY						
Dixilyn-Field Drig	8	dsl	1950	NATL 110	1638	16,000
Flournoy Drig	5	dsl	1200	CABOT/FRANKS Rocket 1000	950	12,000
Harkins & Co	12	dsl	1050	CABOT/FRANKS 750	650	9,500/4"
	14	dsl	1150	CABOT/FRANKS 900	900	11,000/4"
Magee-Poole Drig	8	dsl	1500	CABOT/FRANKS 900	950	11,000/4"
	5	dsl	1500	CABOT/FRANKS 900	950	11,000/4"
PRC Drig	6	dsl	1790	BRWSTR N75A	1040	13,000
Southland Drig	9	dsl	600	BRWSTR N45	600	7,500
KENT						
GCO Drig	5	dsl	820	M-CSCO U15	850	9,000
Verna Corp	4	dsl	500	BRWSTR N4	500	6,500
KING						
Sojourner Drig	10	dsl		M-CSCO U15	550	7,000
Wes-Mor Drig	5	gas-btne	465	M-CSCO U15	290	7,500
	4	dsl	400	M-CSCO U15		7,500
KLEBERG						
Flournoy Drig	10		1250	BRWSTR N46	820	12,500
	6	dsl	800	BRWSTR N45	600	9,000/4"
Magee-Poole Drig	10	dsl	1500	CABOT/FRANKS 900	950	11,000/4"
Penrick Drig	105	dsl	1300	CABOT 550	800	8,000
	104	dsl-elec	2200	BRWSTR DH14610A	900	12,000
Southland Drig	5	dsl	700	BRWSTR N55	700	10,000
Willis Drig	1	dsl	1000	BETH B-Line MC450	1000	12,000
LA SALLE						
Sundown Drig	7	dsl	475	EMSCO GB250	475	7,500
LAMB						
Norton Drig	2	dsl	450	WILSON Mogul 42	650	7,000
LAREDO						
PRC Drig	8	dsl	770	BRWSTR N95A	777	20,000
LAVACA						
Culver Drig	11	dsl	1500	M-CSCO U914C	1500	17,000
FWA Drig	18	dsl	1150	WILSON Giant	360	7,500
Howell Drig	2	dsl	1550	CABOT/FRANKS 1200	1130	15,000
M N D Drig-Southern	3	dsl	1794	BRWSTR N75	1024	12,500
Resource Drig	14	dsl	2330	NATL 110	2740	18,000
Southland Drig	11	dsl	2300	M-CSCO A1500	2300	24,000
LEA						
Cactus Drig Co	69	dsl	820	NATL 370	670	9,000
LEE						
Explorer Drig	30	dsl	2000	BRWSTR TR800	1400	20,000
H S Energy/Senior Drig	40	dsl	1500	CABOT 1200 Model 2550	1300	13,500
Hondo Drig	8	dsl	1100	BRWSTR N45	700	12,000
M G F Drig-Midland	6	dsl	750	NATL T32	750	9,000
	7	dsl	850	BRWSTR N55	850	12,000
	8	dsl	800	M-CSCO Rig U15	800	10,000
Republic Drig & Serv	5	dsl-elec	1200	OILWELL 760E	1000	14,000
Spartan Drig	6	dsl-elec	600	Superior 700UE	750	10,000
	7	dsl-elec	600	Superior 700UE	750	10,000
	4	dsl-elec	600	Superior 700UE	750	10,000
Sterling Drig (TX)	18	dsl	1250	NATL 610	1100	13,000
	12	dsl	1500	NATL 610	1100	13,000
LEON						
Cape Drig	1	dsl	650	WILSON 42 Mogul	500	8,500
Delta Drig	80	dsl	1300	Spencer 7000	480	9,000
	5	dsl	2000	NATL 100	1560	16,000
Duai Drig	7	dsl	3400	NATL 1320M	2000	25,000
Eljay Drig	2	dsl-scr	2800	OILWELL E2000	2000	25,000
Henley Drig	7	dsl-elec	2600	EMSCO C2	2000	25,000
Hinton Drig, W B	11	dsl-elec	2600	NATL 1320UE	3000	25,000
Justiss Oil	36	dsl	1000	1013	1200	16,000
	25	dsl	250	EMSCO GC350	450	12,000
Murco Drig	2	dsl	2200	OILWELL 760E	1000	15,000
Schlensker Drig	3	dsl	700	OILWELL 760	1500	14,000
	20	dsl	1270	NATL 75CA	1270	14,000
Tesoro Drig	4	dsl	2600	NATL 1320M	2742	25,000

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
LIBERTY						
Diamond M Land Drlg	171	dsl	1300	M-CSCO Unit 712	1200	14,500
Eagle Prod & Drlg Serv	11	mech	250	Trailer Mounted		6,000
	8	dsl-elec	600	OILWELL E500	700	10,000
LIMESTONE						
M N D Drlg-Southern	5	dsl	1536	BRWSTR N95	1536	18,000
	12	dsl-elec	1820	M-CSCO U712	1200	16,000
LIPSCOMB						
Hudson Drlg, Leonard	2	dsl	900	UNIT U15	900	11,500
	3	dsl	900	UNIT U15	900	11,500
Robinson Bros Drlg	2	dsl	600	OILWELL 66	1000	11,500
	19	dsl	600	OILWELL 52T	3000	8,000
	12	dsl	800	GAR-DEN 700	1000	12,000
Service Drlg	13	dsl	400	UNIT U1500	800	12,000
Service Drlg (OK)	13	dsl	1100	UNIT RU34	900	12,000
Service Drlg (TX)	9	dsl	1000	M-CSCO 800	800	10,000
Unit Drlg & Expl	3	dsl	700	NATL 50A	800	11,000
Zenith Drlg	3	dsl	800	BRWSTR N75	800	10,000
LIVE OAK						
Bawden Drlg, Peter (TX)	30	dsl-mech	1850	EMSCO D3 Type III	1000	15,000
Buzzini Drlg	9	dsl	3600	OILWELL M2000	2400	20,000
Dixilyn-Field Drlg	19	dsl	1925	NATL 130	2331	20,000
F-W Drlg	10	dsl	1000	IDECO H1200	1000	16,000
Frio Drlg	5	dsl-elec	1000	IDECO ED1200	1200	16,000
FWA Drlg	25	dsl	2000	WILSON 120	1560	16,000
Harkins & Co	10	dsl	1620	EMSCO B1013	1620	16,000
	5	dsl	950	CABOT/FRANKS 750	650	9,500/4"
	11	dsl	1260	BRWSTR N75	1260	12,500
J & C Drlg	9	dsl	1050	WILSON 600	630	9,000
J 3 Drlg	5	dsl	2470	UNIT U914	2470	20,000
Loffland Bros	88	dsl-elec	2160	M-CSCO U712	2400	16,000
Magee-Poole Drlg	2	dsl	1500	OIME 750SL	1155	14,000
Nicklos Drlg	77	dsl-elec	1600	EMSCO C111	1530	16,000
Penrod Drlg	16	dsl	3075	BRWSTR N12A	1840	20,000
San Patricio Corp	7	dsl	1000	BRWSTR RR600	400	8,000
South Texas Drlg	7	dsl	910	IDECO H1200	1200	15,000
Southland Drlg	12	dsl	2300	M-CSCO 1500A	2300	24,000
Spur Drlg	1	dsl	1400	Superior 1000	1000	12,000
LOVING						
Ard Drlg	8	dsl	1900	EMSCO 800GB	1800	16,000
Cactus Drlg Co	64	dsl	520	BRWSTR N45	670	7,500
Cactus Drlg Corp	30	dsl	1650	NATL 110	1650	23,000
	2	dsl	2550	EMSCO A1500	2550	23,000
Delta Drlg	60	dsl-elec	1825	EMSCO D3 Type II	2592	16,000
Henley Drlg	2	dsl-elec	2600	EMSCO C2	2000	25,000
Loffland Bros	117	dsl-elec	3300	M-CSCO U1220EBD	3300	25,000
	37	dsl-elec	2160	M-CSCO U914B	2400	20,000
M G F Drlg-Midland	201	dsl	1600	NATL 1320UE	2000	30,000
	203	dsl	1300	NATL 110UE	2000	20,000
	202	dsl	1600	NATL 1320 UE	2000	30,000
Parker Drlg	39	gas	1600	OIME Hercules 2500M	1600	23,000
	198	gas	1600	OIME 1500	1600	22,000
	184	gas-scr	3000	OIME G3000	3000	30,000
Rowan Drlg US	8	dsl	2600	M-CSCO U1220S	2400	25,000
Santa Fe Drlg Western	6	dsl-elec	2600	EMSCO C111	2700	30,000
Sharp Drlg	55	dsl	2321	GAR-DEN 2100	2742	30,000
	43	dsl	2331	OILWELL M2000	2742	30,000
	61	dsl	2331	M-CSCO U914C	2742	23,500
Verna Corp	13	dsl	600	BRWSTR N4	400	6,500
Willbros Drlg	9	dsl-el-scr	3000	IDECO E1700	3000	25,000
LUBBOCK						
D B Drlg	1	dsl	720	BRWSTR N4	540	7,500
Norton Drlg	4	dsl	550	WILSON 75	850	10,500
Sitton Drlg	8	dsl	650	WILSON 75P	900	10,000
Verna Corp	33	dsl	550	M-CSCO U15 Type	800	9,000
McCLAIN						
Moran Drlg, E W	1	dsl	1700	GAR-DEN 700	800	15,000
McCOOK						
Marlin Drlg (TX)	8	dsl	1600	NATL 80UE	1000	14,000
McMULLEN						
B D K Drlg	4	dsl	1095	BRWSTR N7	870	11,500
Cinco Drlg	12	dsl-elec	3000	NATL 1320UE	2400	24,000
Delta Drlg	89	dsl-scr	2000	EMSCO D3 Type II	2592	16,000
F-W Drlg	17	dsl	1000	EMSCO D2	1100	13,000
Flournoy Drlg	2	dsl	800	EMSCO C50	480	9,000/4"
Harkins & Co	13	dsl	1477	CABOT/FRANKS 1000	1000	12,000
Magee-Poole Drlg	7	dsl	1130	CABOT/FRANKS 750	608	9,000/4"
Resource Drlg	5	dsl	2330	NATL 110	2740	18,000

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
MADISON						
FWA Drlg	26	dsl	2000	GAR-DEN 800M	1560	14,000
Nicklos Drlg	78	dsl	1400	NATL 80B	1080	14,000
	76	dsl-elec	2600	NATL 1320UE	1800	25,000
Penrod Drlg	125	dsl	1000	NATL 80B	1760	15,000
Republic Drlg & Serv	8	dsl-elec	1000	IDECO 725E	1000	11,000
United Drlg Div	11	dsl	1100	NATL 370	800	10,000
	6	dsl	1200	BETH M58	800	13,000
	5	dsl	1200	BRWSTR N75	1200	15,000
Verna Corp	35	dsl	1000	IDECO 711SJ	1200	14,000
	37	dsl	1212	M-CSCO U15	550	11,000
MARION						
Explorer Drlg	8	dsl	1836	IDECO H1700	2000	15,000
Lester Drlg, Dan	9	dsl	1500	OILWELL 760	1500	15,000
Resource Drlg	RD-31	dsl	1560	NATL 80B	1635	14,000
MARSHALL						
Moran Drlg, E W	17	dsl	2000	WILSON 250	2000	22,000
MARTIN						
FWA Drlg	11	dsl	1065	WILSON Giant	900	11,000
	1	dsl	1300	WILSON Giant	900	11,000
	2	dsl	1100	WILSON Super Giant	1040	13,000
Tahoe Drlg	2	dsl	800	EMSCO D1	800	10,000
	1	dsl	900	NATL 50CA	1000	11,000
	3	dsl	1000	EMSCO D2	1200	13,500
TMBR Drlg	13	dsl	700	M-CSCO U15CA	500	10,500
Wes-Tex Drlg	4	dsl	650	EMSCO G500	650	1,000
MATAGORDA						
Bawden Drlg, Peter (TX)	31	dsl-scr	2000	NATL 110UE	1500	18,000
Big 6 Drlg	8	dsl-elec	1600	NATL 610	900	12,000
Chapman Drlg	152	dsl-elec	2000	DRECO 1000	1000	17,000
Dixilyn-Field Drlg	11	dsl	2600	NATL 110M	2331	18,000
	2	dsl	1300	NATL 610	1040	12,000
Matagorda Marine Drlg	18		750	M-CSCO U36A	820	12,000
Richards Drlg	4	dsl	1400	OILWELL 66	1200	10,500
Rosamond Drlg	6	dsl	1650	EMSCO A550	1275	14,000
Southland Drlg	1	dsl	700	EMSCO GB500	700	10,000
	16	dsl	1925	BRWSTR N12A	2200	17,000
MAVERICK						
Bearden Drlg, Jack E	6	dsl	1200	WILSON 75	900	9,500
Challenger Drlg	20	dsl	900	BRWSTR N75	1000	12,000
MENARD						
Bandera Drlg	6	dsl	600	UNIT 34	360	6,500
MIDLAND						
Brahaney Drlg	3	gas	900	NATL 75CB	900	12,000
	6	gas	1200	NATL 100	1200	15,000
	4	gas	1200	EMSCO J1000	1200	15,000
	8	gas	1400	OILWELL 96	1400	17,000
	1	gas	900	NATL 75CB	900	12,000
Britton Inds Drlg	1	dsl	1000	OILWELL 76	800	15,000
Cactus Drlg Co	32	dsl	1830	NATL 110	2700	20,000
Cactus Drlg Corp	32	dsl	2550	NATL 1320	2550	25,000
	33	dsl	2550	NATL 110	2550	20,000
	7	dsl	1650	OILWELL 76	1650	14,000
	31	dsl	2550	NATL 1320	2550	25,000
	4	dsl	1100	NATL 55	1100	13,000
	11	dsl	570	EMSCO C350	570	
Cherokee Drlg & Dev	7	dsl	1500	BDW 650	1050	12,000
Drilltech Inc	2	dsl	1000	GAR-DEN 500M	850	10,000
	1	dsl	1000	GAR-DEN 500M	850	10,000
FWA Drlg	17	dsl	1400	WILSON Giant	900	11,000
Hurt & Assoc, Clint	10	dsl	1200	WILSON 75	900	11,000
Ladrido Drlg	4	dsl	1200	J750	1050	14,000
Lanex Drlg	C-8	dsl-scr	1600	BDW 650	650	12,000
	C-11	dsl-scr	1600	BDW 800	800	16,000
	C-10	dsl-scr	1600	UNIT U36	650	12,000
M G F Drlg-Midland	3	dsl	500	NATL 32	400	7,000
Robinson Drlg of Texas	2	dsl	750	M-CSCO U15	900	10,000
Sharp Drlg	47	dsl	790	BETH M58	988	13,500
Tierra Drlg	6	dsl	850	BRWSTR N4	800	8,000
	23	dsl-elec	800	BDW 800	800	14,000
	9	dsl	650	UNIT U15	700	10,000
	15		1000	M-CSCO U712EA	1200	16,000
	11	dsl	650	BDW 650	700	12,000
	10	dsl	650	BDW 650	700	10,500
TMBR Drlg	20	dsl	350	IDECO H400	500	9,000
	4	dsl	840	NATL 50CA	600	10,500
MITCHELL						
D B Drlg	21	dsl	410	BRWSTR N4	420	7,500
R Rigs Inc	2	dsl	350	GAR-DEN 3000	350	6,000
Sojourner Drlg	1	dsl		M-CSCO U15	550	7,000
Wes-Tex Drlg	18	dsl	600	NATL 50CA	900	10,000
MONTAGUE						
Burns L D Drlg	4	dsl	888	WILSON 75	780	12,000/4"
Felderhoff Bros Drlg	3	dsl	600	MAC 400	350	7,500
Highbridge Drlg	30	dsl	800	UNIT U34B	400	7,000
Lin-Mour Drlg	21	gas-btne	650	UNIT 15	650	7,500

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
MONTAGUE (Cont'd)						
Maxwell Drlg	2	dsl		WILSON Giant		8,000
	3	dsl		NATL U34		6,000
	1	dsl		NATL U15		10,000
	4	dsl		NATL U15		10,000
	5	dsl		BETH M650		12,000
MONTGOMERY						
Chapman Drlg	153	dsl-elec	2000	RMI 1000E	1000	17,000
	106	dsl-mech	1700	BRWSTR Model N46	800	11,000
Cliffs Drlg	36	dsl	1700	EMSCO JB1250	1650	16,000
	33	dsl	2000	NATL 80B	1650	14,500
M N D Drlg-Southern	15	dsl-elec	2000	M-CSCO U712	1200	16,000
	6	dsl	1540	GAR-DEN 500	770	10,500
	9	dsl	1540	GAR-DEN 500	770	10,500
	7	dsl	1540	BDW 800	770	10,000
	2	dsl	1794	BRWSTR N75	1024	14,000
Pozos Intl Drlg Serv	581	dsl	3000	BRWSTR N12A	2650	25,000
T-L Drlg	2	dsl	2000	BRWSTR N75	1200	14,000
MOORE						
Diatom Drlg	1	dsl	456	Ingersoll 550	574	7,500
Service Drlg (OK)	6	dsl	300	UNIT RU34	300	5,500
NACOGDOCHES						
Atco Drlg Southern	53	dsl	1600	NATL 610UE	800	12,000
France Drlg	4	dsl	1300	GAR-DEN 500	800	11,000
Murco Drlg	6	dsl	2200	BRWSTR N95	1000	14,000
Schlensker Drlg	6	dsl	950	UNIT U15	950	10,000
Thunderbolt Drlg	50	dsl	1750	CABOT/FRANKS 1200	1300	13,500
NAVARRO						
Cape Drlg	5	dsl	400	Wlkr-Nr Apache 95040	425	6,000
Delta Drlg	44	dsl	2000	BRWSTR N95	1560	16,000
FWA Drlg	20	dsl	1700	WILSON Super Atlas	1040	14,000
NOLAN						
Bandera Drlg	10	dsl	775	MAC 300	475	7,500
Morrison Drlg & Prod	103	dsl	476	IDECO H35	550	8,500
Rio Colorado Drlg	136	dsl	1200	IDECO H40SP	600	8,000
Sojourner Drlg	5	dsl	250	M-CSCO U15	550	7,000
Transcontinental Drlg-San Angelo	34	dsl	674	BETH S55	650	8,000
Wes-Tex Drlg	12	dsl	335	BRWSTR N4	500	8,000
NUECES						
Alanco Drlg	1	dsl	800	IDECO H40	500	8,500
Buzzini Drlg	8	dsl	3600	OILWELL M2000	2400	20,000
Cinco Drlg	6	dsl	1015	M-CSCO U15	780	11,000
CRC Mallard Well	16	dsl	1300	WILSON 90	800	14,000
F-W Drlg	9	dsl	800	IDECO H725	750	11,000
G-E Drlg	2	dsl	1000	UNIT 34	500	6,700
Harkins & Co	2	dsl	1500	BRWSTR N95	1500	14,000
Magee-Poole Drlg	15	dsl	1475	CABOT/FRANKS Explorer III	700	9,000/4"
Nicor Drlg	75	dsl-mech	1500	CABOR/FRANKS 2550TRD	1200	15,000
Padre Drlg	4	dsl	500	BRWSTR H4210	400	7,500
	3	dsl	700		800	10,000
PRC Drlg	5	dsl	1198	GAR-DEN 700M	800	13,000
	3	dsl	1250	BRWSTR N46	730	10,000
	9	dsl	1140	RMI 4610	1140	16,000
OCHILTREE						
Bravo Drlg	3	dsl	870	BDW 800	870	14,000
	2	dsl	870	BDW 800	870	14,000
Eagle Drlg	4	dsl	1100	M-CSCO U15	850	10,000
Hudson Drlg, Leonard	1	dsl	900	UNIT U15	900	11,500
Mercury Drlg	11	dsl	750	EMSCO U15	900	9,000
Moran Drlg, E W	7	dsl	1600	GAR-DEN 700	800	13,000
Slawson Drlg	7	dsl	480	IDECO H35	480	7,500
Unit Drlg & Expl	2	dsl	700	UNIT U15	800	12,500
OLDHAM						
Baker & Taylor Drlg	9	dsl	870	M-CSCO U15	870	11,000
	1	dsl	870	M-CSCO U15	870	10,000
	19	dsl	870	UNIT U15	870	11,000
	7	dsl	870	UNIT U15	870	11,000
PALO PINTO						
Carter Dev	2	dsl	300	WILSON Mogul	300	6,000
Challenger Drlg	29	dsl	720	NATL T45	860	9,500
E & H Drlg	7	dsl	500	NATL T32	350	6,500
Min-Tex Drlg	26	dsl	700	Crdwll L	350	4,000
	33	dsl	350	WILSON Mogul	475	5,200
Oilwell Drlg	6	dsl	476	WILSON 550		5,500
	7	dsl	476	Spencer 5000	476	7,000
Wes-Mor Drlg	10	dsl		M-CSCO U15		7,500
PANOLA						
Bailey Drlg	1	dsl	1700	CABOT/FRANKS 2550	1000	13,500
Cothrum Drlg	3	dsl	1200	BRWSTR N72W	912	12,000
D B Drlg-Shreveport	30	dsl	1200	BETH 450	1200	12,500
France Drlg	3	elec	2400	OILWELL E760	2400	17,000
Gibson Drlg	3	dsl	820	WILSON Mogul 42	666	6,500
TEXAS (Cont'd)						
PANOLA (Cont'd)						
Globe Drlg	3	dsl	800	M-CSCO U15	800	12,000
Murco Drlg	38	dsl-el-scr	1700	OILWELL 660E	700	12,000
Pozos Intl Drlg Serv	1080	dsl	1500	IDECO BIR8005	940	11,000
Sawyer Drlg & Serv	4	dsl	1000	BRWSTR N7	1000	12,500
	8	gas	1100	BRWSTR N7	1100	11,500
Thunderbolt Drlg	53	dsl	1400	WILSON 75	950	11,000
Transcontinental Drlg-Shreveport	22	dsl	750	BRWSTR N7	750	11,000
Wheless Drlg	3	dsl	1800	EMSCO C13	1800	18,000
PARKER						
I X Drlg	4	dsl	476	WILSON Mogul 42 Roadair	476	6,000
Lynx Drlg	3	dsl	500	IDECO H30	360	7,000
Min-Tex Drlg	31	dsl	500	Hyster Mod A	550	10,000
	32	dsl	400	Hyster Mod B	500	7,500
PECOS						
BJM Drlg & Expl	5	dsl	120	UNIT U15	1000	12,000
Cherokee Drlg & Dev	4	gas	1150	WILSON 75	900	11,000
Delta Drlg	36	dsl	2600	EMSCO C2 Type III	2331	23,000
Loffland Bros	112	dsl-elec	3300	M-CSCO U1220EB	2200	25,000
Moran Drlg	39	dsl-el-scr	2600	EMSCO C1 Type II	1500	20,000
Parker Drlg	87	gas	1800	IDECO E2000	1800	25,000
	16	gas	1000	OILWELL 76	1000	16,000
	121	dsl-elec	2700	IDECO E3000	3000	30,000
	89	gas	1600	NATL 1320	1600	23,000
Penrod Drlg	121	dsl	1600	NATL	3000	30,000
	111	dsl	1950	NATL 1625M	3000	30,000
	114	dsl	1600	NATL 1625M	3000	30,000
Quarles Drlg (OK)	2	dsl	1500	OIME 1000	1000	18,000
Rod Ric	2	dsl	450	BETH S45E	400	7,000
Santa Fe Drlg Western	3	dsl-elec	2600	EMSCO A1500E	2700	30,000
	16	dsl	2600	EMSCO C2	2000	25,000
	14	dsl	3200	EMSCO C3E	2000	30,000
	4	dsl-elec	2600	EMSCO C111E	2700	30,000
	2	gas	1850	BETH B1013	2118	21,000
	8	dsl-elec	2600	EMSCO A1500E	2700	30,000
Sharp Drlg	64	dsl	1560	OILWELL 760	1836	18,000
	60	dsl-elec	3108	EMSCO C3 Type II	3656	30,000
	34	dsl	2331	BETH 1013	2742	30,000
T O T Drlg	3	dsl	1155	OIME SL5	1155	15,000
Verna Corp	18	dsl-elec	1000	NATL 1320E	2000	22,000
POLK						
Circle C Drlg	1	dsl	1400	NATL 100	1450	15,000
Cliffs Drlg	41	dsl	2600	NATL 1320	2475	25,000
Eagle Prod & Drlg Serv	1	dsl-elec	2000	OILWELL 840E	2000	20,000
Hinton Drlg, W B	8	dsl	1300	Spencer 7000	400	10,000
Woolf & Magee	2	dsl	1550	GAR-DEN 700	1000	13,500
PRESIDIO						
Parker Drlg	74	gas	1400	NATL 100M	1400	22,500
RAINS						
Delta Drlg	21	dsl	2300	GAR-DEN 1100	2592	17,000
Penrod Drlg	107	dsl	1000	NATL 80B	1760	15,000
Transcontinental Drlg-Shreveport	35	dsl	1000	GAR-DEN 800M	1000	15,000
REAGAN						
FWA Drlg	12	dsl	915	WILSON Giant	900	10,000
	4	dsl	1365	WILSON Giant	900	11,000
	30	dsl	1100	WILSON Giant	900	10,000
Mid-America Drlg & Expl	1	dsl	1000	NATL 50CA	660	11,000
Moran Bros	54	dsl	970	NATL T20	300	6,000
Wes-Tex Drlg	8	dsl	335		500	8,000
REEVES						
Cactus Drlg Co	67	dsl	520	NATL T32	454	6,500
Kenai Drlg of Texas	18	dsl	410	IDECO H35	450	6,500
Parker Drlg	88	gas-elec	2700	NATL 130	3000	30,000
Resource Drlg	RD-25	dsl	1560	NATL 80B	1835	14,000
Rod Ric	6	dsl	450	BETH S45E	450	7,000
Rowan Drlg US	12	dsl	2000	NATL 1320M	2100	18,000
Santa Fe Drlg Western	5	gas	2600	BETH B1013	2118	22,000
Sharp Drlg	59	dsl	2331	BETH MC950	2742	23,000
TMBR Drlg	24	dsl	1100	GAR-DEN 700	1100	14,000
REFUGIO						
San Patricio Corp	5	dsl	1000	Shaffer 800	600	9,000
Southland Drlg	4	dsl	850	BRWSTR N7	900	10,000
Williams Drlg of South TX	1	dsl	585	CABOT/FRANKS 750	750	9,500/4"
REYNOLDS						
Safari Drlg	6	dsl	300	EMSCO U34	370	6,000
	4	dsl	310	NATL T20	270	6,000
	3	dsl	340	BRWSTR N4	300	7,000

TEXAS (Cont'd)

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ROBERTS						
Baker & Taylor Drlg	6	dsl	1400	M-CSCO U40	1400	20,000
	8	dsl	870	M-CSCO U15	870	11,000
Basin Drlg	4	dsl	1600	GAR-DEN 700M	820	14,000
Hudson Drlg, Leonard	6	dsl	550	BRWSTR N7	900	12,000
Moran Drlg, E W	24	dsl	920	Spencer 7000	450	9,500
Robinson Bros Drlg	17	dsl	600	GAR-DEN 500	650	9,000
Service Drlg (OK)	9	dsl	800	UNIT RU34	1000	10,000
Service Drlg (TX)	11	dsl	400	M-CSCO U34	400	5,000
	12	dsl	1000	EMSCO D2	800	12,000
Unit Drlg & Expl	14	dsl	1000	GAR-DEN 700	1300	16,000
ROBERTSON						
M N D Drlg-Southern	14	dsl-elec	1820	M-CSCO U712	1200	16,000
RUNNELS						
Hack Drlg	2	dsl	350	BRWSTR N4	350	5,500
Mesa Drlg	2	dsl	675	Weiss W45	500	8,000
	3	dsl	675	Mac 300	550	8,000
RUSK						
Eagle Prod & Drlg Serv	4	dsl-elec	2000	OILWELL E760	1000	16,000
France Drlg	7	dsl	1300	GAR-DEN 500	800	11,000
FWA Drlg	33	dsl	1750	GAR-DEN 700M	1040	12,000
Gibson Drlg	11	dsl	1200	EMSCO D2	1200	12,000
Henley Drlg	9	dsl-elec	2600	EMSCO C2	2600	25,000
Hinton Drlg, W B	6	dsl	1600	NATL 80B	1650	15,000
	5	dsl	900	Spencer 7000	450	10,000
IBIS Ltd	IBIS 1	dsl	1450	WILSON 90	1350	16,500
Justiss Oil	21	dsl	800	EMSCO GB500	1000	12,000
Loffland Bros	203	dsl	1140	M-CSCO U15	1000	10,000
McMurrey Petr	2	dsl	800	Spencer	750	10,000
Pozos Intl Drlg Serv	981	dsl	1890	BRWSTR N46	940	12,500
Rainbow Drlg	4	dsl	1800	CABOT/FRANKS 1200	1200	14,000
	5	dsl	2000	CABOT/FRANKS 1200	1200	15,000
Sawyer Drlg & Serv	11	dsl	600	WILSON Giant	400	9,000
United Drlg Div	4	dsl	1000	Superior PSD700	700	10,000
	9	dsl	1200	BETH M58	800	12,500
Verna Corp	27	dsl	1000	M-CSCO U15	600	10,000
	28	dsl	1000	M-CSCO U15	600	10,000
Woolf & Magee	3	dsl	1450	GAR-DEN 700	1275	13,500
SABINE						
Justiss Oil	31	gas-btne	500	WILSON Giant Roadair	650	10,000
SAN JACINTO						
Big 6 Drlg	3	dsl	750	CABOT/FRANKS	600	11,000
Delta Drlg	99	elec	3200	EMSCO C2	3456	25,000
SAN PATRICIO						
Dixilyn-Field Drlg	25	dsl	1600	NATL 80UE		15,000
F-W Drlg	12	dsl	1000	BRWSTR N46	800	13,000
Flournoy Drlg	11	dsl	912	IDECO BIR800	950	10,000
J 3 Drlg	4	dsl	1100	UNIT U34B	750	8,500
Kelley & Kerr Drlg	KK-1	dsl-elec	2000	OIME SD7	1500	18,000
Magee-Poole Drlg	9	dsl	2350	CABOT/FRANKS	1500	16,000
Resource Drlg	18	dsl	1040	NATL 610	1220	12,000
Southland Drlg	14	dsl	2225	EMSCO A1500	2500	24,000
SCHLEICHER						
BJM Drlg & Expl	4	dsl	1200	UNIT U15	1000	12,000
Tucker Drlg	3	dsl	350	BRWSTR N45	600	6,500
TMBR Drlg	15	gas	700	M-CSCO U15	500	10,500
SCURRY						
Cam Drlg	2	dsl	510	BETH S55	750	10,000
D B Drlg	23	dsl	390	BETH S45E	700	9,000
	6	dsl	1050	BRWSTR N45	650	9,000
	2	dsl	675	NATL T32	540	8,500
	11	dsl	770	Shaffer SOS-6000	540	8,500
Kenai Drlg of Texas	25	dsl	700	EMSCO GB500	800	11,000
McCutchen Drlg, J W	3	dsl	820	WILSON Atlas Roadair	820	10,500
Riley Drlg	4	dsl	300	CABOT/FRANKS	300	4,500
Rio Colorado Drlg	133	dsl	1100	IDECO H40	600	8,000
SHACKELFORD						
F-W Drlg	2	dsl	600	M-CSCO U34	350	7,000
Jones Drlg Co	53	dsl	225	Houston Portable	225	3,000
	55	dsl	450	BETH S45	425	7,000
	54	dsl	425	BETH S45	425	6,000
	51	dsl	425	BRWSTR N4	425	6,000
Lynx Drlg	2	dsl	500	IDECO H30	360	7,000
SHELBY						
Verna Corp	32	dsl	1212	Verna U15	500	11,000
SHERMAN						
Diatom Drlg	2	dsl	630	Ingersoll 600	650	10,000
Service Drlg (OK)	5	dsl	1000	UNIT RU15	800	10,500
Service Drlg (TX)	3	dsl	300	M-CSCO U34	400	6,500
	5	dsl	1000	M-CSCO U15	800	10,000
Stahlco Drlg	1	dsl	510		475	5,000

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
SLACKER						
Wes-Tex Drlg	7	dsl	335	BRWSTR N4	450	8,000
	6	dsl	650	BETH S60	700	10,000
	10	dsl	300	BRWSTR N4	500	8,000
SMITH						
Continental Drlg	6	dsl-elec	2600	IDECO E1700	1700	19,000
	3	dsl-elec	2600	IDECO E1700	1700	19,000
Delta Drlg	64	dsl	1500	EMSCO D2 Type III	784	11,000
	54	dsl	2000	NATL 80B	1560	14,000
	74	dsl	1000	Spencer 7000	480	9,000
Gibson Drlg	10	dsl	1200	EMSCO D2	1200	12,000
	7	dsl	895	EMSCO GB350	660	8,500
Hinton Drlg, W B	3	dsl	1700	NATL 80B	1650	15,000
Justiss Oil	34	gas-btne	700	BETH M58	1000	12,000
Maxwell Herring Drlg	12	dsl	1500	WILSON 150A	2500	15,000
	14	dsl	1000	WILSON Giant	900	12,000
	18	dsl	3250	GAR-DEN 1100	2700	23,000
	20	dsl	1800	BRWSTR 75A	1200	112,000
	3	dsl	1000	GAR-DEN 800	1000	12,000
	19	dsl	2100	GAR-DEN 1100	2100	18,000
	17	dsl	2500	BETH 1500	2400	20,000
Penrod Drlg	18	dsl	2250	NATL 1625M6	2200	10,000
Rotary Drlg	11	dsl	850	Spencer 7000	700	10,600
United Drlg Div	2	dsl	1200	BETH M58	800	13,000
	8	dsl	1600	BETH M58	1200	13,000
Verna Corp	22	dsl	550	M-CSCO U15	600	10,000
	30	dsl	550	M-CSCO U15	600	10,000
STARR						
Atco Drlg Southern	11	dsl	1600	NATL 55	550	12,000
Bawden Drlg, Peter (TX)	7	dsl	1200	NATL 55	700	11,500
Corpus Christi Drlg	4	dsl	300	WILSON Super 38	250	5,450
Flournoy Drlg	4	dsl	900	CABOT/FRANKS Explorer III	600	9,000/4"
Magee-Poole Drlg	14	dsl	1475	CABOT/FRANKS Explorer III	700	9,000/4"
STEPHENS						
E & H Drlg	2	dsl	400	M-CSCO U34	325	6,000
Faulk Drlg	4	dsl	450	BRWSTR N4	450	6,000
Lowe Drlg	6	dsl	300	M-CSCO U34	475	6,000
Sealy & Co	1	dsl	290	GAR-DEN 1500	290	1,500
	2	dsl	350	Failing 2500	350	2,500
Wes-Mor Drlg	6	gas-btne		M-CSCO U34		4,500
STERLING						
Britton Inds Drlg	2	dsl	1000	NATL 50CA	1000	12,000
	4	dsl	1000	NATL 50CA	1000	13,000
M G F Drlg-Midland	11	dsl	900	BETH M58	900	12,500
Moran Bros	58	dsl	1300	CABOT 750	750	9,000
Tucker Drlg	12	dsl	750	NATL 50A	750	10,000
	2	dsl	750	EMSCO GB500	750	10,000
Wes-Tex Drlg	1	dsl	650	NATL 50A	650	10,000
	9	dsl	700	NATL 50A	700	10,000
	17	dsl	335	UNIT U34	500	8,000
STEVENS						
Lowe Drlg	2	dsl	475	M-CSCO U34	475	6,000
STONEWALL						
Bandera Drlg	2	dsl	470	UNIT 34	360	6,500
Cam Drlg	1	dsl	500	BETH S45E	650	8,000
Hack Drlg	4	dsl	225	NATL T8	250	4,000
I X Drlg	3	dsl	392	BETH	475	8,500
Mesa Drlg	4	dsl	675	SOS 6000	550	8,000
Safari Drlg	2	dsl	370	Crdwll L350	370	7,000
Sojourner Drlg	3	dsl		M-CSCO U15	550	7,000
	2	dsl		M-CSCO U15	550	7,000
Texzona Drlg	1	dsl	475	M-CSCO U34B	450	6,500
Wes-Tex Drlg	21	dsl	350	UNIT U34	450	7,000
SUTTON						
Delta Drlg	73	dsl	500	Spencer 7000	440	9,000
Penrod Drlg	25	dsl	2600	EMSCO C2	1950	25,000
TMBR Drlg	11	gas	500	M-CSCO U15	500	10,000
	10	dsl	700	M-CSCO U15CA	500	10,000
	8	dsl	700	NATL 50CA	600	10,500
TAYLOR						
Bandera Drlg	5	dsl	650	MAC 300	475	7,500
D B Drlg	4	dsl	675	UNIT U34	540	7,000
Douglas Drlg	2	dsl	900	RDW 650M	900	12,500
F-W Drlg	5	dsl	600	IDECO H25	350	6,000
Hack Drlg	1	dsl	350	BRWSTR N4	350	7,000
Helter Skelter Drlg	2	dsl	1000	BRWSTR N46	950	10,000
Tri-J Drlg	1	dsl	325	Wichtex R5	250	3,000
	3	dsl	500	Mayhew 3000	250	3,000
	5	dsl	375	Wichtex R6A	350	5,000
TERRELL						
Delta Drlg	2	dsl	1400	GAR-DEN 700M	784	12,500
	61	dsl	1800	IDECO Super 711	1640	15,000
Resource Drlg	RD-26	dsl	1560	NATL 80B	1835	14,000

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
TERRY						
Cactus Drlg Corp	9	dsl	1200	BRWSTR N75	1200	13,500
Ladrido Drlg	1	dsl	1600	UNIT U15	1050	13,500
Norton Drlg	8	dsl	550	WILSON 75	900	14,000
Sitton Drlg	6	dsl	650	WILSON 75P	900	10,000
Willbros Drlg	4	dsl	1700	NATL 55	1260	14,000
THROCKMORTON						
Ashtola Drlg	1	dsl	800	NTM U15	600	7,500
F-W Drlg	6	dsl	600	NATL T20	400	6,000
Oilwell Drlg	2	dsl	476	BETH S50	476	7,000
	8	dsl	800	SOS6000S	650	8,000
Wes-Mor Drlg	1	dsl		M-CSCO U15		8,000
TOM GREEN						
Bandera Drlg	11	dsl	925	BDW 450T	540	9,000
	7	dsl	750	MAC 300	400	7,500
Cothrum Drlg	9	dsl	900	BRWSTR N4	500	6,500
D B Drlg	22	dsl	410	UNIT U34	368	7,000
GCO Drlg	6	dsl	820	BDW 650M	650	10,000
Lange Drlg, LeRoy	1	dsl	225	Jaswell	525	3,500
M N D Drlg-Northern	61	dsl	700	M-CSCO 36A	600	11,500
McBay Oil & Gas	11	dsl	3408	BETH S50	3408	8,000
Mellon Drlg	4	dsl	750	BETH S50	375	7,000
Stahlco Drlg	2	dsl	510	Ingersoll T5	485	5,000
Transcontinental Drlg-San Angelo	33	dsl	898	UNIT U15	650	8,500
	30	dsl	750	BRWSTR N55	750	10,000
	96	dsl	1000	UNIT U36A	850	12,000
Tucker Drlg	1	dsl	750	BRWSTR N55	750	10,000
	6	dsl	750	BRWSTR N75	750	12,000
	7	dsl	375	BETH 560	600	7,000
	4	dsl	214	M-CSCO U15	450	7,500
	10	dsl	750	BRWSTR N45	750	7,500
	5	dsl	750	EMSCO GE500	750	10,000
	8	dsl	550	IDECO H40	550	9,000
TYLER						
Globe Drlg	8	dsl-elec	3000	GAR-DEN GD1000	1500	20,000
UPSHUR						
Guffey-Schlenaker Drlg	3	dsl	1270	NATL 75CA	1270	14,000
Justiss Oil	27	dsl	700	BETH MC450	900	12,000
	28	dsl	940	EMSCO GB500	940	12,000
Maxwell Harring Drlg	2	dsl	1034	BETH M810	926	12,000
Nowotny & Conley Drlg	4	dsl	1600	NATL 610	800	13,000
UPTON						
BJM Drlg & Expl	3	dsl	1200	NATL 150AC	1000	12,000
FWA Drlg	3	dsl	1250	WILSON Super Giant	1040	13,000
Henley Drlg	219	dsl	1650	BRWSTR N46	950	12,000
Sledge Drlg, D	4	dsl	600	M-CSCO U15	800	10,000
Sterling Drlg (TX)	17	dsl	1500	BRWSTR N75	1230	14,000
Tahoe Drlg	4	dsl	950	GAR-DEN 500M	950	12,000
TMBR Drlg	5	dsl	700	NATL 50CA	600	10,500
Verna Corp	19	dsl	550	M-CSCO U15	800	11,500
Wes-Tex Drlg	20	dsl	600	NATL 50CA	900	10,000
VAL VERDE						
Delta Drlg	4	dsl	2150	NATL 100	1560	16,000
Wes-Tex Drlg	3	dsl	700	NATL 50A	700	10,000
VICTORIA						
Bilbo Drlg	1	dsl	500	BRWSTR N4A	500	8,000/4"
Continental Drlg	14	dsl-elec	2000	IDECO ED1200	1200	16,000
	2	dsl-elec	2600	IDECO E1700	1700	19,000
Eltex Drlg Contractors	259	dsl	615	BRWSTR N46	800	11,000
	302	dsl-elec	1300	GAR-DEN 1100E	1500	22,000
	102	dsl	615	EMSCO D2	1230	12,500
	3	dsl	615	WILSON Giant	450	9,000
	257	dsl	615	BRWSTR N75	1230	13,500
	301	dsl		GAR-DEN 800M	1845	16,500
	103	dsl	615	BRWSTR N75	1230	13,500
	4	dsl	615	IDECO H750	600	10,000
FWA Drlg	29	dsl	2600	NATL 110	2400	20,000
G-E Drlg	8	dsl	800	IDECO H400B	500	8,000
Houtech Drlg	803	dsl	1600	GAR-DEN 700	1200	15,000
	802	dsl	1600	GAR-DEN 700M	1200	15,000
	804	dsl	1600	GAR-DEN 700	1200	15,000
	801	dsl	1500	Senco 1400M	1300	15,000
M N D Drlg-Southern	4	dsl	1540	GAR-DEN 1100	1540	18,000
Padre Drlg	7	dsl	700	BRWSTR H14610	750	10,000
	2	dsl	500	BRWSTR H4210	400	7,500
PRC Drlg	4	dsl	756	CABOT/FRANKS 900	900	10,000
Southland Drlg	8	dsl	700	EMSCO GB350	700	8,000
WALKER						
Cliffs Drlg	40	dsl-elec	2600	NATL 1320UE	3025	25,000
WALLER						
Harkins & Co	3	dsl	1260	BRWSTR N75A	1260	12,500
PRC Drlg	2	dsl	880	UNIT 34	460	7,500/4"
T-L Drlg	11	dsl	1000	BRWSTR N75	1000	14,000

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
WARD						
Cactus Drlg Corp	1	dsl	1650	NATL 110	1650	20,000
Delta Drlg	100	elec	2000	EMSCO D3	1560	16,000
GCO Drlg	2	dsl	640	BDW 450	450	7,500
Kenai Drlg of Texas	17	dsl	800	BRWSTR N4	580	7,000
	13	dsl	800	EMSCO GA250T	400	6,500
Sharp Drlg	67	dsl	2331	M-CSCO U914C	2742	23,500
T O T Drlg	2	dsl	1155	OIME SL5	1155	15,000
Verna Corp	31	dsl	1212	M-CSCO U15	800	11,000
WASHINGTON						
Bailey Drlg, Parrie	22	dsl	1500	OIME SL5	900	13,000
	23	dsl	1600	OIME SL7	1400	15,000
WEBB						
Alenco Drlg	2	dsl	1000	IDECO H40	600	10,000
Atco Drlg Southern	50	dsl	1850	NATL 100HD	750	15,000
	19	dsl	1500	OILWELL 66	700	10,500
Bearden Drlg, Jack E	3	dsl	1200	WILSON Mogul Super 42	750	9,500
Buzzini Drlg	11	dsl-elec	3400	OILWELL E3000	3000	30,000
Delta Drlg	63	dsl-elec	2600	EMSCO C1 Type II	2592	16,000
Dixilyn-Field Drlg	10	dsl	1295	NATL 55	1040	12,000
Flournoy Drlg	12	dsl-elec	2700	GAR-DEN 1100E	1500	17,000
J 3 Drlg	2	dsl	1650	UNIT U36A	950	14,000
	1	dsl	1375	UNIT U36A	950	14,000
Rio Colorado Drlg	145	dsl	2000	NATL 110	1650	18,000
Texas Drlg	10	dsl	2000	CABOT/FRANKS 1200	1200	15,000
	5	dsl	1700	CABOT/FRANKS 1200	1200	17,000
	7	dsl	1700	CABOT/FRANKS 900	900	11,500
	8	dsl	2000	CABOT/FRANKS 1200	1200	15,000
Williams Drlg of South TX	3	dsl	800	IDECO BIR8085	850	11,500/4"
	2	dsl	1280	CABOT/FRANKS 900	900	10,500/4"
WHARTON						
B D K Drlg	1	dsl	1000	WILSON GIANT	580	8,500
Bawden Drlg, Peter (TX)	2	dsl-el-scr	2600	NATL 1320UE	2000	22,000
Burro Drlg	1	dsl	500	WILSON Mogul 42	500	9,000
Chapman Drlg	103	dsl-elec	1000	NATL 370UE	550	12,000
Richards Drlg	5	gas-btne	1200	BRWSTR N75	900	12,500
	2	dsl	1500	BRWSTR N75	1200	12,500
ROKK Drlg	ReacoeD	dsl	800	NATL 125	1200	18,000
WHEELER						
Baker & Taylor Drlg	3	dsl	1200	M-CSCO U20	1200	18,000
	2	dsl	1400	M-CSCO U20	1400	20,000
Cliffs Drlg	27	dsl	2600	NATL 1320	2475	25,000
Cothrum Drlg	10	dsl	1500	GAR-DEN 1500	2250	24,000
Dual Drlg	36	dsl	2000	OILWELL 760	1000	16,000
Helmerich & Payne Intl Drlg	82	dsl-scr	2800	OILWELL E2000	2000	26,000
	80	dsl-scr	2200	NATL 110UE	1500	20,000
	47	dsl	2475	OILWELL M2000	2730	26,000
Loffland Bros	222	dsl-elec	3300	M-CSCO U1220B	2200	28,000
Murco Drlg	58	dsl-scr		Superior 4000E		54,000
Noble Drlg	OW-22	dsl-elec	3300	OILWELL E2000	3300	25,000
	N-115	dsl	2130	NATL 110	2130	20,000
Parker Drlg	178	dsl	2200	OIME SL1500P	2200	22,000
	47	gas	1400	OIME 1500P	1400	20,000
	218	gas	1400	OIME 1000C	1400	18,000
	71	gas	1600	NATL 125	1600	20,000
	162	dsl	2200	OIME SL1500P	2200	22,000
Penrod Drlg	117	dsl	1300	NATL 1625M	2000	25,000
	116	dsl	1300	NATL 1320M	2000	25,000
Resource Drlg	8	dsl	2330	NATL 110	2740	18,000
Robinson Bros Drlg	25	dsl	3000	OIME SL7	3000	20,000
Service Drlg (OK)	12	dsl	800	EMSCO D2	1000	15,000
Sharp Drlg	68	dsl-elec	2331	OILWELL M2000E	2742	30,000
WICHITA						
Moran Bros	64	dsl	1100	EMSCO GA500	600	10,000
Moran Drlg, E W	12	dsl	1200	BETH S60	600	10,000
WILBARGER						
Bearden Drlg, Jack E	1	dsl	1200	WILSON Mogul Super 42	750	9,000
Burns L D Drlg	1	dsl	1360	Sea Coast 10004S	780	14,000
Lin-Mour Drlg	35	gas	700	WILSON Giant	700	10,000
WILLACY						
Padre Drlg	8	dsl	700	BRWSTR H14610	750	10,000
WILSON						
F-W Drlg	18	dsl	800	Duggan DS5	600	7,000
Nixon Drlg	7	dsl	400	Midway	600	6,500
WINKLER						
Cactus Drlg Co	70	dsl	730	NATL 370	950	9,000
Holliday Drlg	1	dsl	1000	GAR-DEN 700	1000	12,000
Kenai Drlg of Texas	19	dsl	825	EMSCO GA500	800	11,000
Santa Fe Drlg Western	10	dsl-elec	2000	EMSCO Electrohoist II	1800	22,000

TEXAS (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Avail-able to Drwwks	Rated Depth with 4½" Pipe
WINKLER (Cont'd)						
Sharp Drlg	66	dsl-elec	2331	M-CSCO U1220EB	2742	30,000
Sterling Drlg (TX)	2	dsl	1500	NATL 610	1150	13,000
Verna Corp	12	dsl	900	M-CSCO U15	600	11,500
WISE						
M N D Drlg-Northern	55	dsl	600	M-CSCO U15	600	9,000
	54	dsl	600	M-CSCO U15	600	9,000
	53	dsl	600	M-CSCO U15	600	9,000
	51	dsl	680	NATL 50	550	7,000
	5001363	dsl	800	M-CSCO U15	880	9,500
	65	dsl	700	M-CSCO U36A	700	12,000
	5001364	dsl	800	M-CSCO U15	800	9,500
	60	dsl	800	M-CSCO U15	800	9,500
	66	dsl	700	M-CSCO U36A	700	12,000
	1359	dsl	450	EMSCO-350	450	6,000
	62	dsl	600	M-CSCO U15	600	9,000
	52	dsl	550	M-CSCO U15	550	7,000
WOOD						
Cape Drlg	2	dsl	1000	BRWSTR TR7W	600	8,500
Hinton Drlg, W B	9	dsl-elec	2600	NATL 110UE	3000	20,000
Justiss Oil	14	dsl	800	EMSCO GB500	900	11,000
	28	dsl	700	OILWELL 96	1000	15,000
Noble Drlg	N-812	dsl	1420	NATL 80B	1420	15,000
Thunderbolt Drlg	20	dsl	1150	WILSON Mogul	476	8,000
YOAKUM						
Chico Drlg	6	dsl	1300	EMSCO D2	1224	14,000
Hondo Drlg	4	dsl	1650	BRWSTR N75	1100	14,000
Kenai Drlg of Texas	28	dsl	1200	BRWSTR N7	800	12,000
M G F Drlg-Midland	1	dsl	750	BETH M58	750	12,500
	5	dsl	500	EMSCO GA250	400	9,000
Norton Drlg	11	dsl	550	WILSON 75	900	12,000
	7	dsl	450	WILSON 65	650	8,500
Sitton Drlg	1	dsl	450	WILSON 600	525	6,500
	7	dsl	450	WILSON 75P	900	11,500
Verna Corp	26	dsl	500	IDECO H40	750	8,000
	1	dsl	600	BRWSTR N55	800	12,500
	2	dsl	600	BRWSTR N55	800	12,500
YOUNG						
Bearden Drlg, Jack E	4	dsl	600	WILSON Mogul 42	400	6,500
Burns L D Drlg	3	dsl	800	WILSON 75	780	10,500
E & H Drlg	5	dsl	600	WILSON Mogul	350	6,500
Franklin Drlg	2	dsl	400	GAR-DEN	400	2,500
	1	dsl	300	GAR-DEN 1500	300	1,500
Grand Drlg	1	dsl	800	Schaffer SS6006	475	8,000
Lin-Mour Drlg	5	dsl	750	EMSCO G-42	750	7,000
Luke Grace Drlg	2	dsl	500	M-CSCO U15	750	10,500
Megargel Drlg	6	dsl	350	BETH S45B	275	6,000
	4	dsl	350	BETH S45B Double Jackknife	275	5,370
Wes-Mor Drlg	8	gas-btne		M-CSCO U15		6,500
	7	dsl	680	M-CSCO U34	680	7,500
ZAPATA						
Atco Drlg Southern	57	dsl	1600	NATL 610UE	800	12,000
Bearden Drlg, Jack E	2	dsl	1500	WILSON Model 75 Winchmobile	900	9,000
Cinco Drlg	14	dsl-elec	2400	OIME SD5	1500	14,000
Delta Drlg	17	dsl-el-scr	2300	EMSCO C1 Type II	2582	16,000
Harkins & Co	8	dsl	1800	EMSCO C1 Type III	1800	18,000/5"
Helmerich & Payne Intl Drlg	37	dsl	2835	OILWELL M2000	2835	22,000
Penrod Drlg	22	dsl	2600	NATL 1320N	1950	25,000
	119	dsl	1600	NATL 1625M	3000	30,000
PRC Drlg	1	dsl	800	BRWSTR H4610A36	500	8,000
Texas Drlg	2	dsl	1700	BRWSTR N7	1200	12,500
	6	dsl	1200	CABOT/FRANKS 900	850	11,000
	3	dsl	1700	NATL 50A	1455	12,500
	9	dsl	1800	EMSCO D2	1200	14,000
Willis Drlg	3	dsl	1000	BRWSTR N75	1000	12,000
ZAVALA						
Blocker Drlg-Alice	10	dsl	825	IDECO Hydrair H37ESC	434	7,500
	17	dsl	825	SPENCER	530	7,000
	15	dsl	1265	CABOT/FRANKS Series 900	950	10,000
Cactus Drlg Co	55	dsl	520	IDECO H35	670	6,500
PRC Drlg	10	dsl	1075	Cooper LTO700	550	9,500
Sundown Drlg	1	dsl	400	EMSCO 160GB	400	5,500

UTAH

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Avail-able to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
TWT Expl	2	dsl	200	GAR-DEN 15W	200	2,000
	9	dsl	1800	OILWELL 760	1800	14,000
	4	dsl	300	NATL T10	300	4,000
	8	dsl	1350	IDECO	1350	12,000
	7	dsl	1800	GAR-DEN 800	1800	10,000
	6	dsl	1350	NATL 55	1350	12,000
	5	dsl	880	Model O Crdwll	880	10,000

UTAH (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Avail-able to Drwwks	Rated Depth with 4½" Pipe
UNDESIGNATED (Cont'd)						
W E S Corp	7		1800	WILSON Giant	1000	12,000
Westburne Drlg Canada	65	dsl	520	NATL T45	460	8,500
CARBON						
Grace-Bomac Drlg	91	dsl	1650	NATL 80B	1650	16,000
DAGGETT						
All Western Drlg	2	gas	800	M-CSCO U15	700	10,000
DUCHESNE						
Bawden Drlg Ltd, Peter	21	dsl-el-scr	2000	EMSCO C1	1500	18,000
Olsen Drlg	5	dsl	6015	Crdwll 1350	500	6,000
Transcontinental Drlg-Denver	57	dsl	1100	GAR-DEN 800	1300	13,000
TWT Expl	51	dsl				5,500
	57	dsl				17,000
	56	dsl				12,000
	55	dsl				8,000
Viersen & Cochran Drlg	7	dsl	1700	M-CSCO U712A	1564	18,000
W E S Corp	51	dsl				5,000
Westburne Drlg	65	dsl	870	NATL T45	400	8,500
EMERY						
Loffland Bros	12	dsl	840	IDECO Hydrair H44CSC	868	10,000
Nicor Drlg	46	dsl-elec	2000	EMSCO C1E	1000	21,000
Shelby Drlg	3	dsl	380	CABOT/FRANKS Rocket 1287	450	7,000
GARFIELD						
Kenting Drlg	20-E	dsl-elec	2400	M-CSCO U914 EC	2000	20,000
Loffland Bros	58	dsl-elec	1600	NATL 80B	2000	15,000
Shelby Drlg	53-E	dsl-elec	1000	NATL 370ESCR	700	10,000
GRAND						
Atco Drlg	18	dsl	326	326	320	7,500
Parker Drlg	112	dsl	3000	IDECO 3000	3000	30,000
Veco Drlg	3	dsl	850	M-CSCO U36A	700	9,000
JUAB						
Penrod Drlg	102	dsl	1600	NATL 610M	964	16,000
MILLARD						
Montgomery Mountain Drlg	31	dsl	2000	NATL 110UE	2700	18,000
RICH						
Brinkerhoff-Signal	2	dsl	875	M-CSCO U36A	600	9,000
SAN JUAN						
Anderson-Myers Drlg	18	dsl	600	NATL T45	800	10,000
	10	dsl	670	NATL T32	600	8,500
Arapahoe Drlg	11	gas-btne	300	NATL T32	320	9,000
	7	gas-btne	700	NATL T45	700	10,000
	2	gas-btne	300	NATL T32	320	8,000
Aztec Well Serv	289			WILSON		10,500
Brinkerhoff-Signal	32	dsl	1000	EMSCO GC350	465	8,000
	76	dsl	800	GAR-DEN M500	800	10,000
Coleman Drlg	3	dsl	920	IDECO H44CSC	636	8,000
	2	dsl	1100	IDECO H40D	636	8,000
Energy Search Drlg	1	dsl	1500	CABOT/FRANKS 900	900	10,000
Mesa Drillers	1	dsl	600	NATL 50A	780	8,000
SEVIER						
Grace-Bomac Drlg	56	dsl	2400	GAR-DEN 1100M	2400	20,000
Parker Drlg	116	dsl-elec	1650	NATL 80B	1650	20,000
SUMMIT						
Brinkerhoff-Signal	83	dsl-elec	2000	EMSCO D3	2000	16,000
Exeter Drlg Northern	43	dsl	2250	EMSCO C Type III	2250	20,000
Loffland Bros	186	dsl	2160	M-CSCO U914C	2400	20,000
Manning, R L	31	dsl-elec	1350	EMSCO D2	700	11,000
	32	dsl-elec	1800	EMSCO D3	1000	16,500
	30	dsl-elec	1800	EMSCO D3	1000	16,500
Noble Drlg	OW-862	dsl	2400	OILWELL 860	2400	18,000
Parker Drlg	148	dsl	1000	OIME 750	1000	13,000
	183	dsl	1650	OIME 1500P	1650	20,000
Rio Grande Drlg	3	dsl	1300	NATL 1320M	2300	25,000
	2	dsl	1000	NATL 80B	1500	16,000
Viersen & Cochran Drlg	11	dsl	2600	NATL 110	2400	20,000
	8	dsl	1480	NATL 80B	1554	18,000
UINTAH						
All Western Drlg	3	dsl	1060	M-CSCO U15	840	10,000
	4	dsl	1500	SUPERIOR 700	750	10,000
	1	dsl	1200	Schramm		1,500

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
UTAH (Cont'd)						
UINTAH (Cont'd)						
Brinkerhoff-Signal	85	dsl	550	NATL 370	800	9,000
Loffland Bros	236	dsl	1260	M-CSCO U15	1000	10,000
Manning, R L	9	dsl	650	EMSCO GA500	650	8,500
	23	dsl	800	BRWSTR N45	740	7,500
	10	dsl	720	OILWELL 660	720	10,000
Nicor Drig	36	dsl	1150	GAR-DEN 500	650	11,000
Olsen Drig	2	dsl	1250	NATL C350A	1000	10,000
TWT Expl	58	dsl				14,000
	59	dsl				12,000
W E S Corp	59	dsl				12,000
	56	dsl				14,000
UTAH						
Loffland Bros	221	dsl	2880	M-CSCO U1220AE	3200	25,000
WASATCH						
Penrod Drig	20	dsl	2600	NATL 1320M	1950	25,000
VIRGINIA						
DICKERSON						
Ray Resources	7	dsl	450	Crdwll KB500	700	8,000
LEE						
Union Drig	4	dsl	1200	Spencer 6000	340	7,000
WASHINGTON						
GRANT						
Brinkerhoff-Signal	53	dsl-elec	2325	NATL 110	2325	20,000
LEWIS						
Taylor Drig	4	dsl	750	NATL 50	750	9,000
WEST VIRGINIA						
CALHOUN						
FWA Drig	13	dsl	275	WILSON Giant	300	4,500
CLAY						
Smith Drig	8	dsl	350	Challenger M280	360	4,500
HARRISON						
Union Drig	5	dsl	1200	Crdwll 350	385	6,000
JACKSON						
Smith Petr, Carl E	3	dsl		IDECO BIR5525	500	8,000
	1	dsl		EMSCO T97	500	9,500
	2	dsl		Cummings NDT335		4,800
KANAWHA						
FWA Drig	22	dsl	275	WILSON Super 38	300	4,500
Hurt & Assoc, Clint	8	dsl	350	KREMCO K600	500	7,500
Ray Resources	3	dsl	450	IDECO BIR5525	600	6,000
	6	dsl	430	IDECO DIR-7015	700	8,000
Smith Drig	12	dsl	450	Challenger M320	400	5,000
McDOWELL						
Ray Resources	9	dsl	490	IDECO H35	600	6,500
MASON						
Delta Drig	84	dsl	1800	EMSCO D3 Type III	1500	18,000
PLEASANTS						
FWA Drig	15	dsl	275	WILSON Super 38	300	4,500
PUTNAM						
Smith Drig	10	dsl	3550	Challenger M320	360	5,000
RANDOLPH						
Union Drig	1	dsl	1200	Crdwll KM250	425	6,000
RITCHIE						
FWA Drig	20	dsl	275	WILSON Super 38	300	6,000
Hurt & Assoc, Clint	1	dsl	350	WILSON Mogul 42	500	7,500
	5	dsl	350	WILSON Super 38	350	5,000
	2	dsl	350	WILSON Super 38	350	5,000
Union Drig	6	dsl	1200	BRWSTR DH-4210	425	8,000
	8	dsl	1300	IDECO BIRH37	425	6,900
ROANE						
Hurt & Assoc, Clint	3	dsl	350	WILSON Super 38	350	5,000
	7	dsl	360	KREMCO K600	500	7,500
TAYLOR						
Union Drig	3	dsl	1200	IDECO 650	425	9,000
WEST VIRGINIA (Cont'd)						
TUCKER						
Union Drig	9	dsl	1200	CABOT/FRANKS Exp III	425	9,000
UPSHUR						
Union Drig	13	dsl	1200	IDECO BIR5525	425	6,000
	11	dsl	1200	Spencer 5000	350	5,000
WIRT						
Ray Resources	14	dsl		NATL T20	600	6,500
WOOD						
Hurt & Assoc, Clint	6	dsl	350	WILSON Mogul 42	500	7,000
	4	dsl	350	WILSON Super 38	350	5,000
WYOMING						
UNDESIGNATED						
GCO Drig	7	dsl	1750	NATL 75CA	1500	13,000
Westburne Drig Canada	60	dsl	1950	NATL 1320M	1950	20,000
ALBANY						
Simmons Drig	48	dsl	350	Hycalog HH6000	350	6,800
BIG HORN						
Anderson-Myers Drig	2	dsl	1200	NATL 55	1200	12,000
Barnhart Drig	1	dsl	700	IDECO H525	575	7,500
Nicor Drig	60	dsl	1700	NATL 55M	700	15,000
CAMPBELL						
Apollo	23	dsl	1100	NATL 50A	810	9,000
Atco Drig	54	dsl-elec	1800	NATL 610UE	1800	12,000
	8	dsl	1230	EMSCO A550	1230	12,000
	27	dsl	720	BETH C50	720	8,500
Baltic Drig	1	dsl	870	Superior 700	600	10,500
Burris Drig	118	dsl	850	MAC 400	500	10,500
	119	dsl	450	MAC 400	500	10,500
Cyclone Drig	6	dsl	800	NATL 50A	800	10,000
	4	dsl	800	UNIT U15	800	9,000
	5	dsl	800	BETH M58	800	12,000
	2	dsl	800	BETH M58	800	12,000
	1	dsl	800	UNIT U15	800	9,000
Exeter Drig Northern	39	dsl	500	M-CSCO U15	750	9,500
	35	dsl	500	M-CSCO U15	750	9,500
	20	dsl	500	EMSCO GC500	750	11,000
	8	dsl	500	BRWSTR N7	750	9,500
	34	dsl	500	M-CSCO U15	750	9,500
	3	dsl	550	NATL 50A	750	9,500
	21	dsl	550	M-CSCO U15	720	9,500
	37	dsl	500	GAR-DEN 700	1100	12,500
	38	dsl	500	M-CSCO U15	750	9,500
	17	dsl	500	NATL 50A	750	9,500
	9	dsl	750	BRWSTR N75	1100	12,500
	36	dsl	460	BETH M58	750	11,000
Gallagher Drig	6	dsl	520	Crdwll Model O	970	12,000
Grace-Bomac Drig	28	dsl	1125	EMSCO GA500	800	[illegible]
Green Drig	5	dsl	900	Unit Rig U15	900	10,000
	4	dsl	900	UNIT U15	900	11,000
Harpel Drig	4		1400	BRWSTR N46	900	12,000
Transcontinental Drig-Denver	53	dsl	810	NATL 50A	980	[illegible]
	40	dsl	1200	OILWELL 76	1224	12,500
True Drig	19	dsl	1000	NATL 50A	1000	12,000
Westburne Drig	60	dsl	750	NATL 50A	850	11,000
CARBON						
Brinkerhoff-Signal	3	dsl	1000	NATL 55	1000	12,000
Exeter Drig Northern	41	dsl	1000	GAR-DEN 700	1100	12,500
Lord Drig	1	dsl	2200	OILWELL M660	1650	18,000
Manning, R L	22	dsl	1000	EMSCO A550	1300	11,000
Westburne Drig	56	dsl	310	NATL T32	275	7,000
CASPER						
Prairie Drig	5	dsl	1080	EMSCO GB500	1000	10,000
CONVERSE						
Anderson-Myers Drig	15	dsl	1800	BRWSTR N75A	1800	14,000
Brinkerhoff-Signal	14	dsl	1000	NATL 55	1000	12,500
	21	dsl	1040	EMSCO GC500	1040	11,500
	57	dsl	1560	NATL N80B	1560	16,000
Cyclone Drig	3	dsl	1250	UNIT U30	1250	15,000
Exeter Drig Northern	18	dsl	500	NATL 50A	730	9,500
	30	dsl	750	EMSCO D2	1100	12,500
	7	dsl	700	BRWSTR N75	1000	12,500
Harpel Drig	6	dsl-elec	2000	EMSCO D2	1000	14,000
	3	dsl	1400	IDECO H725	900	10,000
Kenai Drig Rocky Mountain	35	dsl	800	NATL CA75	1150	14,000
Loffland Bros	163	dsl	1260	NATL 80B	1500	16,000
	234	dsl	1400	M-CSCO U40	1800	13,000
Manning, R L	6	dsl	1290	EMSCO GB800	1290	14,000
Transcontinental Drig-Denver	38	dsl	1750	GAR-DEN GD600	1836	15,000
CROOK						
True Drig	15	gas-LPG	1300	NATL 50A	1000	11,500

WYOMING (Cont'd)

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drawks	Rated Depth with 4½" Pipe
FREMONT						
Anderson-Myers Drlg	1	dsl	680	NATL T32	450	7,000
Atco Drlg	12	dsl	1845	NATL 80B	1845	15,000
	2	dsl	2000	NATL 80B	1000	15,000
Bernhart Drlg	4	dsl	350	GAR-DEN 15W	350	1,500
Brinkerhoff-Signal	72	dsl	2000	NATL 1320UE	2000	25,000
Burris Drlg	117	dsl	800	MAC 400	506	10,500
Dixilyn-Field Drlg	38	dsl	2000	NATL 110UE	2000	18,000
	32	dsl	2300	NATL 130	2331	25,000
	39	dsl	2600	NATL 110UE		18,000
	38	dsl	2000	NATL 110UE	2000	18,000
	33	dsl-elec	2000	OILWELL 940E	3000	20,000
Grace-Bomac Drlg	24	dsl	2400	NATL 110M	2400	20,000
Green Drlg	7	dsl	800	BRWSTR N45M	800	8,000
Lofland Bros	119	dsl-elec	4000	EMSCO CE3000 Type 2	3300	35,000
	223	dsl	1280	M-CSCO U15	1000	10,000
Manning, R L	12	dsl	700	OILWELL 66	550	11,000
	25	dsl	1000	BRWSTR N75	1300	11,500
Parker Drlg	124	dsl	1650	OILWELL 2000E	1650	25,000
Quarles Drlg (OK)	24	dsl	2700	GAR-DEN 1500E	2000	30,000
Shelby Drlg	12	dsl-elec	1600	GAR-DEN 1100ESCR	2000	20,000
Simmons Drlg	41	dsl	350	Hycalog HH600P	350	6,800
Trigg Drlg	6	dsl-elec	2400	UNIT 914E	2400	25,000
Westburne Drlg	69	dsl	1400	NATL 1320M	1600	20,000
HOT SPRINGS						
Bernhart Drlg	2	dsl	600	NATL T20	350	5,000
Exeter Drlg Northern	19	dsl	700	GAR-DEN 800	1100	14,000
Prairie Drlg	1	dsl	500	IDECO H35	475	7,000
JOHNSON						
Enopco	3	dsl	1620	NATL 80B	1620	17,500
Lofland Bros	40	dsl	1680	BRWSTR N96	2000	16,000
Manning Co, R L	34-E	dsl-elec	1600	EMSCO D3	1000	16,500
LARAMIE						
Atco Drlg	20	dsl	800	EMSCO GB500	800	10,000
Exeter Drlg Northern	42	dsl	375	NATL T32	460	7,800
LINCOLN						
Forwest	6	dsl-el-scr	2600	NATL 110UE	2000	20,000
Lofland Bros	89	dsl-elec	2100	M-CSCO U1220EB	2400	25,000
	80	dsl-elec	1800	M-CSCO U712A	2000	17,000
Manning, R L	29	dsl	800	EMSCO GB500	934	9,000
Noble Drlg	132	dsl-elec	3300	NATL 1320UE	3300	25,000
Norton Drlg	10	dsl	750	GAR-DEN 700	1070	15,000
Parker Drlg	163	dsl	1650	OIME SL1500	1650	20,000
	92	dsl	1650	NATL 100M	1650	16,000
True Drlg	24	dsl	1400	M-CSCO U914C	2400	22,000
	25	dsl	2100	M-CSCO U914C	2100	22,000
	16	gas-LPG	1300	NATL 50A	1000	11,000
	9	dsl	1300	M-CSCO U40	1200	15,000
NATRONA						
Burris Drlg	114	dsl	1500	GAR-DEN 1100	1500	20,000
	112	dsl	1500	GAR-DEN 1100	1500	20,000
Dixilyn-Field Drlg	34	dsl-elec	3200	NATL 1320UE	2500	25,000
	41	dsl	3200	NATL 1320UE	2000	20,000
	31	dsl-elec	2300	NATL 1320UE	5000	25,000
	40	dsl	1600	NATL C206		15,000
Exeter Drlg Northern	5	dsl	300	M-CSCO U34D	300	6,000
	13	dsl	350	BRWSTR N4	300	6,000
Lofland Bros	97	dsl-elec	3300	M-CSCO U1220EB	3300	30,000
	70	dsl-elec	3300	M-CSCO U1220EB	2200	25,000
	208	dsl	1560	NATL 110	1800	17,000
Parker Drlg	118	dsl	1650	NATL 100M	1650	20,000
NIOBRARA						
Cathey Drlg, M L	101	dsl	900	IDECO H35KC	640	8,000
Hergel Drlg	5	dsl	1250	BRWSTR N42	700	8,500
Westburne Drlg	72	dsl	720	NATL T32	380	7,500
PARK						
Anderson-Myers Drlg	11	dsl	1200	NATL 55	1200	13,000
	4	dsl	1200	EMSCO GA500	1200	11,000
Atco Drlg	25	dsl	700	IDECO H525	700	9,500
Bernhart Drlg	3	dsl	600	IDECO H35	350	6,000
Manning, R L	8	dsl	850	EMSCO GA500	860	9,000
	28	gas-btne	800	EMSCO GB350	506	7,500
	16	gas-btne	640	NATL T32	458	6,500
	15	dsl	700	NATL 55	700	11,000
	17	gas-btne	770	EMSCO GC500	910	11,000
Penrod Drlg	115	dsl	1600	NATL 1625ME	3000	30,000
Roden Drlg, J B	6	dsl	750	NATL CA75	750	13,000
	1	dsl	636	EMSCO GB350	640	8,500
Simmons Drlg	36	dsl	350	Hycalog HH600P	350	6,800
Wyoming Well Serv	30	dsl	300	Crdwll 200A	318	4,500
	21	dsl	300	IDECO H35	318	5,000
	24	dsl	300	Crdwll 200A	318	4,500
RICHLAND						
Atco Drlg	18	dsl-elec	2000	NATL 80UE	1000	15,000

WYOMING (Cont'd)

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drawks	Rated Depth with 4½" Pipe
SUBLETTE						
Brinkerhoff-Signal	12	dsl	1080	NATL 55	1080	12,000
Exeter Drlg Northern	28	dsl	1200	GAR-DEN 800	1275	15,000
Helmerich & Payne Intl Drlg	81	dsl-scr	2200	NATL 110UE	1500	20,000
Lofland Bros	325	dsl	2160	GAR-DEN 2100	2400	25,000
	106	dsl	2180	BRWSTR N12A	2400	25,000
Parker Drlg	169	dsl	1660	OIME SL1000P	1650	20,000
	171	dsl	1650	OIME 1500P	1650	20,000
	56	dsl	1000	OIME SD6	1000	12,500
Roden Drlg, J B	7	dsl	350	BDW 450T	520	8,000
Shelby Drlg	51-E	dsl-elec	1000	IDECO 725ESCR	730	11,000
True Drlg	14	dsl	1200	NATL 50A	1200	12,000
Viersen & Cochran Drlg	9	dsl	2150	NATL 110	2400	20,000
SWEETWATER						
Brinkerhoff-Signal	79	dsl	550	NATL 370	800	8,500
Exeter Drlg Northern	11	dsl	700	GAR-DEN 700	1080	12,500
	31	dsl	1000	GAR-DEN 800	1650	15,000
Grace-Bomac Drlg	43	dsl	1100	GAR-DEN 700M	1100	12,500
Manning, R L	20	dsl	1050	EMSCO J1000	1290	14,000
	26	gas-btne	1156	EMSCO GB800	1385	14,000
Montgomery Mountain Drlg	32	dsl-elec	2700	NATL 110UE	2000	18,000
Norton Drlg	6	dsl	750	WILSON 75	800	13,000
Penrod Drlg	23	dsl	2600	NATL	1950	25,000
Rio Grande Drlg	28	dsl	1000	BRWSTR N96	2300	18,000
	26	dsl	750	BRWSTR N75	1030	14,500
Roden Drlg, J B	5	dsl	650	EMSCO GB350	650	10,500
	3	dsl	1575	OIME 1500SL	1575	19,000
Signal Oilfield Serv	28	dsl	735	CABOT/FRANKS 600	790	9,000
TETON						
Lofland Bros	30	dsl-elec	2160	M-CSCO 914EC	2200	20,000
Montgomery Mountain Drlg	44	dsl	2000	OILWELL 96	1000	30,000
UINTA						
Anderson-Myers Drlg	7	dsl	1200	NATL 55	1400	13,000
	12	dsl	1500	OIME 1500	1500	17,000
	17	dsl	2300	NATL 110	2300	22,000
	14	dsl	1800	BRWSTR N75A	1800	14,000
Apollo	16	dsl	1155	NATL 80B	1220	12,500
Brinkerhoff-Signal	86	dsl	1000	NATL 80B	1500	16,000
	26	dsl	1170	NATL 55	1170	10,500
	40	dsl	2400	NATL 130UE	3000	25,000
	73	dsl	1500	NATL 80B	1500	15,000
	7	dsl	1500	NATL 80B	1500	15,000
Burris Drlg	111	dsl	1500	GAR-DEN 1100	1500	20,000
Challenger Drlg	24	dsl	500	BRWSTR N4A	650	6,500
	27	dsl	300	NATL T12	500	4,500
	25	dsl	300	NATL T20	600	5,000
Exeter Drlg Northern	29	dsl	1200	GAR-DEN 800	1125	15,000
	24	dsl	1000	GAR-DEN 800	1100	15,000
Forwest	2	dsl-el-scr	2600	IDECO E2100	1800	22,000
	1	dsl-el-scr	2600	IDECO E2100	1800	22,000
Grace-Bomac Drlg	44	dsl	1650	GAR-DEN 800	1650	16,000
	29	dsl	2400	NATL 110M	2400	20,000
	90	dsl-elec	2400	NATL 110UE	2000	20,000
Lofland Bros	184	dsl	2160	M-CSCO U712A	2400	15,000
	8	dsl	2100	M-CSCO U914C	2400	20,000
	214	dsl	1000	M-CSCO U40	1800	13,000
Lord Drlg	2	dsl	2200	OILWELL M860	1650	18,000
	3	dsl	2200	OILWELL M860	1650	18,000
Manning Co, R L	35-E	dsl-elec	2100	EMSCO C1	1500	19,500/5"
Manning, R L	21	dsl	1085	NATL 80B	1385	15,000
	14	dsl	1700	NATL 110	1500	18,000/5"
	33	dsl-elec	1660	EMSCO C1	1500	19,500/5"
	7	gas-btne	790	EMSCO G800	790	8,500
Montgomery Mountain Drlg	5	dsl-elec	2700	NATL 1320UE	3645	25,000
Nicor Drlg	66	dsl	2000	M-CSCO U712A	1200	16,000
Noble Drlg	E1101	dsl	2130	EMSCO A1100	2130	18,000
	N-116	dsl	3000	NATL 110UE	3000	20,000
Parker Drlg	117	gas	2000	NATL 110	2000	22,000
	173	dsl	1650	OIME 1500P	1650	20,000
Rio Grande Drlg	5	dsl	1300	NATL 110	2400	20,000
	27	dsl	750	BRWSTR N75	1030	14,500
	10	elec	1300	NATL 1320UE	1185	25,000
Sabre Inc	2	dsl	671	WILSON Mogul 42	671	5,000
Signal Oilfield Serv	27	dsl	1025	CABOT/FRANKS 600	790	9,000
	1	dsl	560	CABOT/FRANKS 750	700	8,500
Viersen & Cochran Drlg	14	dsl	2300	EMSCO 800A	1854	18,000
WESTON						
Farnsworth & Kaiser Drlg	6	dsl	490	M-CSCO U34	490	6,500
	3	dsl	330	Joy 300	330	4,000
	1	dsl	900	M-CSCO U15	900	8,000
Green Drlg	3	dsl	1350	EMSCO GB500	900	12,000
L & R Drlg	4	dsl	480	CABOT/FRANKS Rochet	186	3,000
Transcontinental Drlg-Denver	51	dsl	1100	OILWELL 76	1300	12,500
	55	dsl	810	OILWELL 76	980	12,000
True Drlg	18	dsl	390	EMSCO GB250T	360	6,500

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RANGER OIL LTD (See SPARTAN DRILLING INC-US)
RED ARROW DRILLING LTD 520 304 Eighth Ave SW Calgary Alberta T2P 1C2 Canada 403-264-0695
REGENT DRILLING LTD 12912 125th Ave Edmonton Alberta T5L 3C1 Canada 403-455-2121
ROCKY MOUNTAIN DRILLING LTD 10333 Southport Rd SW #415 Calgary Alberta T2W 3N2 Canada 403-259-6767
S & T DRILLING LTD PO Box 4890 Edmonton Alberta T6E 5G7 Canada 403-955-7011
SEDCO DRILLING DIV BOW VALLEY RESOURCE SERVICES LTD Box 6680 Postal Sta D 1600 321 Sixth Ave SW Calgary Alberta T2P 2V8 Canada 403-231-1161
SHELBY DRILLING LTD 4A 2016-25th Ave NE Calgary Alberta T2E 6Z4 Canada 403-230-3655
SIMMONS DRILLING LTD 524-550 Sixth Ave SW Calgary Alberta T2P 0S2 Canada 403-244-5340

THREE HUNDRED DRILLING LTD 500 1121 Centre St N Calgary Alberta T2E 2R1 Canada 403-230-5565
TRI-CITY DRILLING LTD 14305 120th Ave Edmonton Alberta T5L 2R8 Canada 403-453-3771
TRUMARK DRILLING SERVICES 425 First St SW 26th Floor Calgary Alberta T2P 3L8 Canada 403-234-7549

WESTBURNE DRILLING CANADA LTD 200 535 Seventh Ave SW Calgary Alberta T2P 0Y4 Canada 403-266-8701
WORLDWIDE ENERGY CO LTD 500 Fifth Ave SW Chevron Plaza Ste 300 Calgary Alberta T2P 3L5 Canada 403-261-5661

Canadian Contract Rotary Land Drilling Rigs

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ALBERTA						
UNDESIGNATED						
Argus Drlg Div Taro Inds	7	dsl	320	NATL T32	327	8,000
	4	dsl	320	M-CSCO U34	319	6,000
	5	dsl	1180	OILWELL 76	1326	11,800
	1	dsl	320	NATL T32	327	7,000
	2	dsl	320	EMSCO 250T	327	6,500
	3	dsl	330	M-CSCO U34	319	6,000
Baltic Drlg	3	dsl	1000	Superior 700	600	9,500
	12	dsl	525	NATL T32	326	7,500
	14	dsl	880	NATL 50AM	550	9,500
Bawden Drlg, Peter	1	mech	1000	EMSCO GB500	600	8,500
	33	mech	1650	OILWELL 860	1400	16,000
	25	dsl-scr	2800	EMSCO Cl Type II	1900	18,000
	16	mech	1000	EMSCO D3	1000	12,000
	17	mech	1180	GAR-DEN 500	500	9,000
	20	mech	1000	GAR-DEN 500	500	9,000
	12	mech	1700	EMSCO D3	1000	16,000
Beaver Drlg	1	dsl	300	NATL T32	300	7,000
	8	dsl	300	NATL T32	300	7,000
	9	dsl	580	NATL 370	550	9,500
	7	dsl	580	NATL 370	580	9,500
	4	dsl	300	NATL T32	300	7,000
	5	dsl	300	NATL T32	300	7,500
	6	dsl	300	NATL 370	550	8,500
	3	dsl	300	NATL T20	300	6,000
	2	dsl	300	NATL T20	300	6,000
Blocker Drlg	56					16,000
	57					14,000
	59					14,000
	60					10,000
ALBERTA (Cont'd)						
Bow Island Drlg	1	dsl	278	Wlkr-Nr 2000	175	3,000
	18	dsl	278	NATL T12	278	5,000
	5	dsl	3000	Wlkr-Nr 2000	175	3,000
	10	dsl	278	Wlkr-Nr 2000	175	3,000
	11	dsl-elec	300	Wlkr-Nr	300	5,000
	17	dsl	278	NATL T12	278	5,000
	7	dsl	278	Wlkr-Nr 2000	175	3,000
	8	dsl	278	Wlkr-Nr 2000	175	3,000
	6	dsl	278	Wlkr-Nr 2000	175	3,000
	3	dsl	278	Wlkr-Nr 2000	175	3,000
	4	dsl	278	Wlkr-Nr 2000	175	3,000
	2	dsl	278	Wlkr-Nr 2000	175	3,000
Brelco Drlg	1	dsl	800	OILWELL 700	900	12,000
	4	dsl	600	OILWELL 500	750	9,000
	6	dsl	800	OILWELL 500	750	9,000
	7	dsl	800	OILWELL 700	900	12,000
	5	dsl	600	OILWELL 500	750	9,000
	3	dsl	600	OILWELL 500	750	9,000
	2	dsl	800	OILWELL 700	900	12,000
Cactus Drlg	19	dsl	500	MAC 300	500	6,500
	26	dsl-elec	2700	EMSCO D3	500	18,000
	28	dsl	1200	BRWSTR N75	1200	12,500
	24	dsl	300	BETH S55	300	6,000
	25	dsl-elec	3400	EMSCO C2	2000	20,000
	20	dsl	1200	EMSCO D2	1200	14,000
	15	dsl	750	EMSCO GC350	750	6,500
	17	dsl	500	MAC 300	500	6,500
	18	dsl	500	MAC 300	500	6,500
	16	dsl	500	MAC 300	500	6,500
	14	dsl	750	EMSCO GB500	750	8,000
	11	dsl	350	M-CSCO U34	350	6,500
	9	dsl	350	M-CSCO U34	350	6,500

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ALBERTA (Cont'd)						
UNDESIGNATED (Cont'd)						
Cactus Drlg	10	dsl		NATL T32	700	7,800
	7	dsl	700	EMSCO GB350	700	8,500
	8	dsl	350	M-CSCO U34	350	6,500
	5	dsl	1554	IDECO Super 711	1554	15,000
	6	dsl	900	Crdwll AO	900	9,500
	3	dsl	350	M-CSCO U34	350	6,500
	4	dsl	350	M-CSCO U34	350	6,500
	1	dsl	750	BRWSTR N55	750	8,500
	2	dsl	940	NATL 55	940	11,500
Can-Tex Drlg & Expl	5	dsl	1200	EMSCO GB800	1200	12,000
	7	dsl	1000	EMSCO D2	900	12,000
	10	dsl	800	NATL 370	450	8,000
	8	dsl	820	OILWELL 66	820	9,000
	6	dsl	1400	EMSCO GB80083	1275	14,000
Capri Drlg	1	dsl	500	IDECO H30D	350	6,000
	6	dsl	900	NATL 50A	1350	10,000
	7	dsl	450	TSM-3000	300	2,500
	4	dsl	450	NATL T12	300	4,000
	5	dsl	700	NATL T32	700	8,500
	2	dsl	450	IDECO H25	350	6,000
	3	dsl	450	IDECO H25D	350	6,000
Centennial Drlg	1	dsl	360	NATL T12	350	4,500
	3	dsl	480	NATL T32	650	8,500
	2	dsl	360	EMSCO 250GA	350	6,000
Challenger Drlg-Calgary	1	dsl	1200	EMSCO GC500	1300	12,500
	JB9E	elec-scr	2400	NATL 80UE	2800	15,000
	51	dsl	1630	NATL 110	1980	19,000
	55	dsl	1180	NATL 100HD	1470	16,500
	44	dsl	1300	NATL 80B	1950	15,000
	50	dsl	2000	NATL 110	2385	19,000
	5-E	dsl-elec	1220	NATL 55	1830	12,500
	11	dsl	350	NATL T20	456	5,700
	22	dsl	1630	NATL 110	1980	19,000
	39	dsl	350	NATL T20	456	5,750
	15	dsl	800	IDECO Sup 711	1300	12,500
	8-E	dsl-elec	1500	NATL 80E	2250	14,500
	10-E	elec-scr	2600	Unit 1220EB	2800	22,000/5"
	6-E	dsl-elec	1500	NATL 80E	2250	14,500
	2	dsl	650	NATL T45	608	9,000
	4-E	dsl-elec	1170	NATL T45	1005	9,000
Challenger Drlg-Edmonton	5-E	dsl-elec	1220	NATL 55	1830	12,500
	51	dsl	1630	NATL 110	1980	19,000
	55	dsl	1180	NATL 100HD	1470	16,500
	8-E	dsl-elec	1500	NATL 80E	2250	14,500
	50	dsl	2000	NATL 110	2385	19,000
Comanche Drlg Ltd	1	dsl		Failing Model 90		
	8	dsl		Failing STRG90		
	5	dsl		BRWSTR N45		
	7	dsl		NATL 370		
	2	dsl		BRWSTR N4		
Garnett Drlg	5	dsl	900	BRWSTR N55	900	10,000
	9	dsl	1200	BRWSTR N7	900	11,000
	10	dsl	1400	NATL 610	900	11,500
	7	dsl	1600	NATL 610	1200	12,000
	8	dsl	300	OILWELL 52T	400	6,000
	6	dsl	1100	M-CSCO	900	12,000
	3	dsl	900	Crdwll J700	900	12,000
Jade Drlg	1	dsl	450	WILSON Super 38	300	3,500
	4	dsl	625	IDECO H25	430	7,500
	5	dsl	500	IDECO H30	420	7,500
	2	dsl	400	WILSON Super 38	300	3,500
	3	dsl	550	IDECO H25	380	7,500
Laredo Drlg	8	dsl	500	TSM 6000	440	2,300
	6	dsl	300	MAC 300	300	2,000
	5	dsl	300	MAC 300	300	2,000
	4	dsl	300	MAC 300	300	2,000
	2	dsl	300	MAC 300	300	2,000
	1	dsl	300	MAC 300	300	2,000
Lemkco Drlg	2	dsl	800	OIME SD3SL	800	10,000
Loffland Bros	9	dsl-elec	2000	M-CSCO U914	1960	20,000
	72	dsl	1700	M-CSCO U914	2880	20,000
	36	dsl	2000	M-CSCO U914C	2880	20,000
	171	dsl-elec	2132	M-CSCO U914B	1700	18,000
	93	dsl-elec	2100	M-CSCO U1220EB	2400	25,000
	198	dsl	1400	M-CSCO U914A	1599	18,000
Montgomery Drlg Canada	46	dsl-elec	2000	NATL 1320UE	2000	20,000
	42	dsl-elec	2000	NATL 110UE	2000	20,000
	49	dsl-elec	2000	NATL 110E	2000	20,000
	41	scr	1350	NATL 1320UE	2000	23,000
Nabors Drlg	5	dsl	700	OILWELL 76	1326	12,000
	4	dsl	2000	OILWELL 76	1740	14,000
	24-E	dsl-elec	2000	EMSCO Electrohiost 2C	2925	14,000
	23-E	dsl-elec	1600	EMSCO D2	1800	14,000
	15	dsl	1200	EMSCO A550	884	11,000
	6	dsl	300	IDECO H35	300	6,000
	14-E	dsl-elec	1714	EMSCO D3	2925	15,000
	21-E	dsl-elec	3200	EMSCO IIC	3900	20,000
	19-E	dsl-elec	2000	EMSCO CI	3900	20,000
	16	dsl	2000	EMSCO A800	1740	15,000
Parker Drlg	98	dsl	1500	NATL 100	1000	17,000
Regent Drlg	17-E	dsl	2700	GAR-DEN	1000	14,000
	21	dsl	2200	OILWELL M2000	2592	20,000
	24	dsl	800	BRWSTR N4	900	9,500
	23	dsl	800	BRWSTR N4	820	9,500
	22	dsl	830	M-CSCO U36A	500	8,500
	25	dsl	1400	BRWSTR N45	1400	14,000
	16-E	dsl	2700	GAR-DEN 800E	1000	14,000
ALBERTA (Cont'd)						
UNDESIGNATED (Cont'd)						
Regent Drlg	15-E	dsl	2700	GAR-DEN 1500	2000	21,000
	14-E	dsl	2800	OILWELL 840E	1800	20,000
	11	dsl	2200	OILWELL 840-E	2592	20,000
	10	dsl	830	BRWSTR N4	900	9,500
	8	dsl	1800	GAR-DEN 1100	2100	15,000
	5	dsl	840	BRWSTR N4	820	9,500
	9	dsl	1400	BRWSTR N45	1400	14,000
	4	dsl	840	BRWSTR N4	900	9,500
	1	dsl	675	IDECO H40	330	7,500
	29	dsl	350	BRWSTR N4	365	6,000
Rocky Mountain Drlg	1	dsl	650	NATL 370	660	8,500
	3	dsl	1650	NATL 80	1650	15,000
	2	dsl	1150	GAR-DEN 500	700	8,500
S & T Drlg Northern	6	dsl	1100	NATL 610	1100	11,500
	1	dsl	1100	NATL 55	1100	11,500
Sabre Inc	1	dsl	671	M-CSCO U34	671	6,500
Sedco Drlg	77	dsl	375	Superior 400	456	6,000
	71	dsl	350	Superior 400	456	6,000
	86	dsl	175	Kremco K-600D	450	5,000
	83	dsl	350	Crdwll 150A	318	4,200
	84	dsl	320	Superior 300	318	4,500
	82		375	Superior 300	318	4,500
	80	dsl	375	Shaffer 6000	456	6,000
	81	dsl	375	Superior 400	318	6,000
	92	dsl	350	Superior 400	456	5,000
	89	dsl	350	IDECO H30D	318	5,000
	88	dsl	350	Crdwll S350	350	5,500
	70	dsl	318	GAR-DEN 3000	318	4,000
	87	dsl	300	Crdwll Model L	318	4,000
	91	dsl	330	EMSCO GB250	456	6,500
	93-E	dsl-elec	375	Superior 400	210	6,500
	95	dsl	300	Superior 400	456	6,000
	97	dsl	300	NATL T32	456	6,000
	99	dsl	350	EMSCO GA250	456	6,500
Shelby Drlg	8	dsl	1200	OIME 750SL	1200	14,000
	2	dsl		Cooper 300DD		5,000
	1	dsl		Cooper 300DD		5,000
Simmons Drlg	11	dsl	350	Hycalog HH-6000	360	6,800
	19	dsl	575	Troy M600	535	7,500
	8	dsl	450	Troy 600	700	10,000
	12	dsl-elec	1200	GAR-DEN 500-E	700	9,000
Three Hundred Drlg	Mr Gary	dsl	1200	Superior 700	785	9,500
	Mr Jim	dsl	1200	NATL 370M	900	9,500
	Mr Digger	dsl	900	NATL 370M	900	9,500
	Mr Nick	dsl	1200	Superior 700	785	9,500
Tri-City Drlg	3	dsl	250	Failing 2500	200	3,000
	1	dsl	250	Failing 2500	200	3,000
	4	dsl	300	Failing Stratmaster 90	280	5,000
	10	dsl	300	Superior 300	300	4,500
	5	dsl	250	Failing 2500	210	3,000
Trumark Drlg Serv	C3	dsl	240	NATL T8	240	2,500
Worldwide Energy	1	dsl	456	Failing 2500	304	3,000
ATHABASCA						
Guthrie McLaren Drlg	6	dsl	300	Failing 2500A	225	3,000
BASHAW						
Guthrie McLaren Drlg	8	dsl	300	Failing 2500A	225	3,000
BAY TREE						
Red Arrow Drlg	3	dsl	225	NATL T20	275	6,000
BEAVERLODGE						
Kenting Drlg	28	dsl	700	NATL 370	700	9,000
BOUNDARY LAKE						
Westburne Drlg Canada	26	dsl	360	NATL T32	360	7,000
BRAZEAU RIVER						
Adeco Drlg & Engr	15	dsl	365	NATL T45	575	10,500
BRETON						
Precision Drlg	14	dsl	350	IDECO H40	500	7,500
BROOKS						
Guthrie McLaren Drlg	7	dsl	300	NATL T32	300	7,000/3.5"
	12	dsl	325	Superior S400	300	6,200
Precision Drlg	8	dsl	350	IDECO H30D	350	6,500
	1	dsl	380	IDECO H30FD Super	350	6,500
CALGARY						
Arrowhead Drlg	C-8	dsl	1040	NATL 610	1040	12,000
CAROLINE						
Arrowhead Drlg	C-6	dsl	770	NATL 370	770	9,000
	C-4	dsl	1040	NATL 610	1040	12,000
Kenting Drlg	29	dsl	1040	NATL 610	1040	12,000
CARROT CREEK						
Adeco Drlg & Engr	18	dsl	700	OIME Helihoist 500C	1370	2,300
CESSFORD						
Westburne Drlg Canada	35	dsl	310	Failing 2500	160	3,000

ALBERTA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
CHERHILL						
Hi Tower Drlg	11	dsl	350	Superior 400	540	6,500
COKREAN						
Precision Drlg	5	dsl	350	IDECO H525D	350	7,500
COLD LAKE						
Ensign Drlg	2	dsl	440	EMSCO	440	1,980
	1	dsl	440	CABOT/FRANKS 42	290	11,000
CUTOFF CREEK						
Adeco Drlg & Engr	8	dsl	1500	NATL 100M	2340	18,000
CYNTHIA						
Kenting Drlg	32-E	dsl-elec	3720	NATL 110UE	2000	18,000
	27	dsl	1040	NATL 610	1040	12,000
DRAYTON VALLEY						
Precision Drlg	4	dsl	350	IDECO H30D	350	7,200
EDMONTON						
Westburne Drlg Canada	37	dsl	360	GAR-DEN 2500	170	3,500
EDSON						
Atco Drlg Mustang Div	35	dsl	820	NATL T45	820	9,000
	42	dsl	850	IDECO H35	700	7,500
Hi Tower Drlg	1	dsl-elec	3600	NATL 1320UE	2000	20,000
	18	dsl-elec	1800	OILWELL 760	1000	15,000
Kenting Drlg	3	dsl	1000	EMSCO GC500	1000	12,000
FLAGSTAFF						
Tri-City Drlg	9	dsl	300	Dreco 300	300	4,500
FORESTBURG						
Badger Drlg	1	dsl	300	IDECO H30	250	5,000
FOX CREEK						
Guthrie McLaren Drlg	9	dsl	1940	OIME 1500	1940	18,000
Kenting Drlg	22-E	dsl-elec	2000	NATL 80UE	1000	13,000
GARRINGTON						
S & T Drlg	7	dsl	1150	NATL T45	800	9,500
GRAND CACHE						
Hi Tower Drlg	20	dsl-elec	1800	OILWELL 760	1000	15,000
Jomax Drlg	7	dsl-elec	2400	OILWELL 760	1600	5,000
GRAND PRAIRIE						
Hi Tower Drlg	21E	dsl-elec	3200	EMSCO D3	1000	15,000
GRANDE PRAIRIE						
Arrowhead Drlg	C-10	dsl	1560	NATL 80B	1560	15,000
Kenting Drlg	24	dsl	350	NATL 370	350	9,000
S & T Drlg	5	dsl	1150	NATL 50A	800	9,500
GRIMSHAW						
Westburne Drlg Canada	15	dsl	900	BRWSTR N4	600	8,500
HARMATTEN						
Hi Tower Drlg	3	dsl	900	OILWELL 86	1020	10,000
HIGH LEVEL						
S & T Drlg	4	dsl	700	NATL 50CA	400	8,000
HINTON						
Arrowhead Drlg	C-5	dsl	1560	NATL 80B	1560	15,000
HYTHE						
Arrowhead Drlg	C-7	dsl	1040	NATL 610	1040	12,000
INNISFAIL						
Adeco Drlg & Engr	19	dsl	308	NATL T32M	320	2,500
Guthrie McLaren Drlg	3	dsl	680	NATL 50CA	600	10,000
KASTOR						
Precision Drlg	6	dsl	350	IDECO H30	350	6,500
KITSCOTY						
Westburne Drlg Canada	32	dsl	300	Failing 2500	210	3,000
LAC ST ANNE						
Red Arrow Drlg	5	dsl	225	NATL T20	275	6,000
LANAWAY						
Adeco Drlg & Engr	3	dsl	308	NATL T32	320	7,000
LEDUC						
Red Arrow Drlg	7	dsl	225	RAD 200	275	6,000
LOON LAKE						
Adeco Drlg & Engr	16	dsl	308	NATL T32	312	7,000
MEANDER RIVER						
Adeco Drlg & Engr	12	dsl	312	NATL T32	320	7,000
MICHICHI						
Atco Drlg Mustang Div	41	dsl	300	IDECO H30F	350	6,000

ALBERTA (Cont'd)

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
MINBURN						
Tri-City Drlg	8	dsl	300	Failing 3500	280	3,500
	6	dsl	250	Failing 2500	210	3,000
	2	dsl	300	M-CSCO U34	3000	6,000
MISKU						
Atco Drlg Mustang Div	56	dsl	500	IDECO H35	365	6,500
MITSUE						
Westburne Drlg Canada	12	dsl	600	EMSCO GA350	600	8,000
	8	dsl	360	IDECO H40D	360	7,000
MORINVILLE						
Red Arrow Drlg	8	dsl	225	RAD 200	275	6,000
MORRIN						
Badger Drlg	4	dsl	400	Superior 400	430	5,500
MUSKEG						
Jomax Drlg	6	dsl-elec	2400	OILWELL 760	1600	5,000
NEMBLEY						
Hi Tower Drlg	2	dsl	780	OILWELL 66	800	9,500
NISKU						
Kenting Drlg	30-E	dsl-elec	3000	NATL 1320UE	2000	20,000
OKOTOKS						
Arrowhead Drlg	C-1	dsl	1040	NATL 610	1040	12,000
ORION						
Westburne Drlg Canada	38	dsl	310	Failing 2500	160	3,000
PADDLER						
Atco Drlg Mustang Div	39	dsl	300	NATL T20	300	6,000
PARKLAND						
Hi Tower Drlg	7	dsl	1000	OILWELL 66	1100	10,000
PEACE RIVER						
Guthrie McLaren Drlg	2	dsl	300	BRWSTR N4	300	6,500/3.5"
Jomax Drlg	2	dsl	800	OILWELL 52T	455	2,600
	3	dsl	800	OILWELL 52T	455	2,600
	1	dsl	800	OILWELL 52T	455	2,600
Red Arrow Drlg	1	dsl	225	NATL T20	275	6,000
PEMBINA						
Atco Drlg Mustang Div	45	dsl-elec	1500	NATL 610E	750	12,000
	54	dsl	715	IDECO H35D	650	7,500
S & T Drlg	3	dsl	1200	NATL 55	1200	11,500
PENDRYL						
Westburne Drlg Canada	42	dsl	360	NATL T20	360	5,500
POUCE COUPE						
Atco Drlg Mustang Div	53	dsl	735	NATL T45	650	9,000
RAINBOW LAKE						
Hi Tower Drlg	19	dsl	620	OILWELL 52T	545	7,000
RED DEER						
Guthrie McLaren Drlg	11	dsl	450	Dreco 500	450	7,000
Kenting Drlg	9	dsl	720	NATL T32	720	7,500
Precision Drlg	16	dsl	700	EMSCO PD650	650	10,000
Red Arrow Drlg	4	dsl	225	RAD 200	275	6,000
RED EARTH						
Atco Drlg Mustang Div	50	dsl	300	IDECO H30F	350	6,000
S & T Drlg	10	dsl	350	UNIT 34	350	6,000
ROCKY MOUNTAIN HOUSE						
Arrowhead Drlg	C-11	dsl	1560	NATL 80B	1560	15,000
Precision Drlg	9	dsl	350	IDECO H30D	350	7,500
SEAL						
Atco Drlg Mustang Div	40	dsl	700	BRWSTR N45	650	8,500
SINCLAIR						
Atco Drlg Mustang Div	36	dsl	300	IDECO H30AD	300	5,500
SLAVE LAKE						
Guthrie McLaren Drlg	4	dsl	375	Dreco D500	450	7,000
Kenting Drlg	37	dsl	350	Superior 400	700	7,500
Precision Drlg	15	dsl	350	IDECO H30FD	350	7,500
Red Arrow Drlg	6	dsl	225	RAD 200	275	6,000
SPIRIT RIVER						
Jomax Drlg	5	dsl	875	NATL 50A	875	10,500
SPRINGBURN						
Westburne Drlg Canada	28	dsl	980	NATL 55	980	11,000

ALBERTA (Cont'd)

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drawwks	Rated Depth with 4½" Pipe
ST PAUL						
Westburne Drlg Canada	33	dsl	310	Failing 3500	180	3,500
STAVELY						
Westburne Drlg Canada	10	dsl	1275	NATL 80	1275	13,000
STETTLER						
Precision Drlg	10	dsl	350	IDECO H35D	350	7,200
SUNDRE						
Arrowhead Drlg	C-2	dsl	770	NATL 370	770	9,000
	C-9	dsl	1040	NATL 610	1040	12,000
Blocker Canada	6	dsl	1000	OIME 1000SL	1500	16,000
Jomax Drlg	4	dsl	1200	OILWELL 76A	1275	4,300
SYLVAN LAKE						
Badger Drlg	2	dsl	400	NATL 370	500	7,200
THREE HILLS						
Red Arrow Drlg	9	dsl	225	RAD 200	275	6,000
S & T Drlg	2	dsl	350	NATL T32	350	7,000
Westburne Drlg Canada	50	dsl	240	Failing 2500	180	3,000
TINDISTOLL						
Adeco Drlg & Engr	1	dsl	308	NATL T20	320	1,700
TOMAHAWK						
Westburne Drlg Canada	24	dsl	360	NATL T32	360	7,000
TWINNING						
Badger Drlg	6	dsl	400	NATL 370	500	7,500
VALHALLA						
Westburne Drlg Canada	4	dsl	1040	EMSCO GC500	1040	11,000
VALLEYVIEW						
Hi Tower Drlg	10	dsl	1150	OILWELL 76	1220	10,000
Kenting Drlg	18	dsl	800	NATL 50A	800	9,500/5"
VERMILION						
Tri-City Drlg	7	dsl	250	Failing 2500	210	3,000
WABASCA						
Westburne Drlg Canada	39	dsl	310	Failing 3500	235	3,500
WETASKIWIN						
Adeco Drlg & Engr	14	dsl	312	NATL T32	320	7,300
Kenting Drlg	23-E	dsl-elec	2000	NATL 610E	1000	11,500
WHITECOURT						
Kenting Drlg	4	dsl	720	610	720	11,500
WILDWOOD						
Precision Drlg	11	dsl	350	IDECO H40PD	350	7,200
Red Arrow Drlg	10	dsl	225	RAD 200	275	1,850
WINFIELD						
Precision Drlg	7	dsl	350	IDECO H30D	400	8,000
	12	dsl	500	IDECO H30D	350	7,500
WOOD RIVER						
Atco Drlg Mustang Div	31	dsl	815	BRWSTR N45	720	8,500
WORSLEY						
Kenting Drlg	10	dsl	720	OILWELL 66	720	10,000
ZAMA						
Guthrie McLaren Drlg	10	dsl	300	Superior D500	460	7,000
Kenting Drlg	15	dsl	720	NATL 370	720	9,000
ZAMA LAKE						
S & T Drlg	9	dsl	800	NATL 370	800	8,500
Westburne Drlg Canada	17	dsl	1080	EMSCO GB350	720	8,000

BRITISH COLUMBIA

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drawwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Baltic Drlg	24	dsl	300	NATL T20	326	6,500
	25	dsl	475	NATL T20	326	6,500
	2	dsl	1600	NATL 80B	1850	15,000
Bawden Drlg, Peter	8	dsl-elec	2200	OILWELL 860	1400	20,000
Loffland Bros	3	dsl	1850	M-CSCO U914A	2880	18,000
Nabors Drlg	3	dsl	1700	OILWELL 76	1326	14,000
Parker Drlg	94	dsl	1700	NATL 100M	1000	18,000
Regent Drlg	3	dsl	840	BRWSTR N4	900	9,500
	2	dsl	840	BRWSTR N55	820	9,500
	26	dsl	840	IDECO H40	330	7,500
	12-E	dsl	2200	GAR-DEN 1500	2582	20,000
DAWSON CREEK						
Adeco Drlg & Engr	2	dsl	380	OIME SD3	365	8,500
Nabors Drlg	9	dsl	2000	NATL 110	2250	18,000
FORT NELSON						
Hi Tower Drlg	17	dsl	580	NATL 50A	340	7,000
Kenting Drlg	7	dsl	720	EMSCO GC500	720	10,500

BRITISH COLUMBIA (Cont'd)

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drawwks	Rated Depth with 4½" Pipe
FORT ST JOHN						
Adeco Drlg & Engr	6	dsl	1500	NATL 100M	2340	18,000
Guthrie McLaren Drlg	1	dsl	300	OILWELL 52T	400	7,000
Hi Tower Drlg	14	dsl	280	OILWELL 52T	350	6,500
Westburne Drlg Canada	14	dsl	1080	NATL 50A	1080	[illegible],500
MILLIGAN CREEK						
Hi Tower Drlg	12	dsl	280	NATL T32	336	6,500
PEMBERTON						
Westburne Drlg Canada	1	dsl	1580	NATL 80B	1580	13,000
SIKAMI						
Westburne Drlg Canada	22	dsl	1010	NATL 50A	700	8,500

MANITOBA

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drawwks	Rated Depth with 4½" Pipe
KIRKELLA						
Crown Drlg	2	dsl	784	Spencer 5000	476	5,000
WASKADA						
Crown Drlg	4	dsl	714	Unit 34	362	6,000
Red Arrow Drlg	2	dsl	225	NATL T12	275	5,000
	12	dsl	225	RAD 200	275	1,850
	11	dsl	225	RAD 200	275	6,000
Westburne Drlg Canada	34	dsl	380	IDECO HD25	380	4,500

NEW BRUNSWICK

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drawwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Regent Drlg	28	dsl	1400	BRWSTR N45	1400	14,000

NORTHWEST TERRITORIES

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drawwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Pan Arctic Drlg	B	dsl-scr	1000	NATL 80E	800	12,000
	A	dsl-scr	1600	OIME 1000E	1000	12,000
	C	dsl-scr	1600	OIME 1000E	1000	12,000
Parker Drlg	99-HH/6	dsl	1500	OIME Helihoist 1500	1500	17,000
Three Hundred Drlg	Ben	dsl	900	NATL 370M	900	9,500
ARCTIC ISLANDS						
Adeco Drlg & Engr	4	dsl	1380	OIME Helihoist 1500	2000	17,000
NORMAN WELLS						
Kenting Drlg	33-E	dsl-elec	1000	Superior 700E	700	9,000
POINTED MOUNTAIN						
Hi Tower Drlg	4	dsl-elec	3200	OILWELL E2000	2000	25,000

ONTARIO

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drawwks	Rated Depth with 4½" Pipe
LAMBTON						
Corunna Petr	3	dsl	950	Hooper GXXTA	700	5,500
	2	dsl	475	IDECO 525	636	8,500

QUEBEC

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drawwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Regent Drlg	6	dsl	1400	BRWSTR N45	1400	14,000

SASKATCHEWAN

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drawwks	Rated Depth with 4½" Pipe
UNDESIGNATED						
Bow Island Drlg	9	dsl	278	Wlkr-Nr 2000	175	3,000
Sedco Drlg	85		300	Superior 300	318	4,500
	98	dsl	350	NATL T20	456	6,000
	96	dsl	300	Ideco H25	318	4,500
	90	dsl	350	M-CSCO U34D	456	5,500
	94	dsl	300	Crdwll Model L	210	4,000
Simmons Drlg	4	dsl	350	OILWELL 52T	350	6,800
	2	dsl	350	OILWELL 52T	350	6,800
	15	dsl	350	M-CSCO U34	350	600
	14	dsl	575	Troy M800	535	7,500
DODSLAND						
Westburne Drlg Canada	40	dsl	310	Failing 2500	175	3,000
ESTEVAN						
Atco Drlg Mustang Div	51	dsl	300	IDECO H25	350	6,000
	33	dsl	300	NATL T20	300	5,500
	34	dsl	300	NATL T20	350	5,500
KINDERSLEY						
Precision Drlg	2	dsl	380	IDECO H20AD	380	4,500
LUCELAND						
Precision Drlg	3	dsl	350	IDECO H30 Super 2FD	350	6,500
MARSDEN						
Westburne Drlg Canada	31	dsl	180	Failing 2500	275	3,000

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International Contract Rotary Land Drilling Rigs

Contractor	Rig No.	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
AFRICA						
ALGERIA						
SAIPEM	5891	dsl-elec	3200	NATL 110DE	1500	20,000
	5893	dsl-elec	3200	NATL 110DE	1500	20,000
	5894	dsl-elec	3200	NATL 110DE	1500	20,000
	5895	dsl-elec	3200	NATL 110DE	1500	20,000
	5892	dsl-elec	3200	NATL 110DE	1500	20,000
CONGO						
Sonpetrol	E-5	dsl	2200	EMSCO J1100	1300	14,000
	GC-1	dsl	1700	EMSCO GC500	800	10,000
EGYPT						
Challenger Ltd	18	dsl	900	CABOT/FRANKS 100	500	12,000
Forex Neptune and/or Affil	7	dsl	3200	NATL 110	1600	19,000
	22	dsl-elec	3200	GAR-DEN 2100	2300	25,400
	33	dsl-elec	3200	GAR-DEN 1100	1500	18,000
Geoprosco Intl	41	dsl	2200	IDECO H900	1100	10,000
Santa Fe Drlg	73	dsl	2000	NATL 110	1800	16,000
	92	dsl-elec	2800	NATL 1320UE	1400	20,000
	69	dsl-elec	2000	NATL 1320DE	3400	20,000
	94	dsl-elec	2250	NATL 110UE	2000	16,000
	97	dsl-elec	2800	OILWELL E2000	2000	20,000
	64	dsl	1800	NATL 110	1800	16,000
SAIPEM	5863	dsl-elec	3200	NATL 110DE	1500	20,000
GABON						
Forex Neptune and/or Affil	27	dsl	2600	IDECO Super 711	1200	18,000
LIBYA						
Arab Drlg & Workover	54	dsl	1400	NATL 80B	1800	12,000
	ADWOC3	dsl-elec	2600	EMSCO C111	1500	20,000
	118	dsl	1250	IDECO H525	700	9,000
	ADWOC-2	dsl-elec	2600	EMSCO C111	1500	20,000
	53	dsl	1250	IDECO H525	700	9,000
	37	dsl	1550	NATL 80B	1800	12,000
Challenger Ltd	19	dsl	1300	NATL 80B	1950	15,000
Deutsche Tiefbohr	T-26	dsl	2100	IDECO Super 711	1500	16,000
	T-16	dsl	2000	EMSCO A800	1000	12,000
AFRICA (Cont'd)						
Forex Neptune and/or Affil	44	dsl	3200	IDECO Super 711	1600	18,000
	41	dsl	1300	IDECO H525	640	9,000
	42	dsl	2000	NATL 80UE	1000	15,700
	43	dsl-elec	2000	NATL 80UE	1000	15,700
	35	dsl-elec	3200	GAR-DEN 1110E	1600	18,000
	13	dsl	2500	IDECO Super 711	1200	18,000
	2	dsl	2600	IDECO Super 711	1600	18,000
Oil Drlg & Expl	7	dsl	2000	IDECO Super 711	2000	17,000
	9	dsl	2000	IDECO Super 711	2000	17,000
Pool Intairdril	204	elec-scr	2000	IDECO ED1200	1000	12,000
	22	dsl	400	IDECO DIR550	400	6,500
	5	dsl	318	CABOT/FRANKS 1058/120	318	5,000
	205	dsl	2000	IDECO ED1200	1000	12,000
	206	elec-scr	2000	IDECO ED1200	1000	12,000
	3	dsl	318	CABOT/FRANKS 1287/120	476	5,000
	2	dsl	318	CABOT/FRANKS 1287/120	476	5,000
	10	dsl	318	CABOT/FRANKS 1058120	318	5,000
	34	dsl	600	CABOT/FRANKS 750	600	6,500
	32	dsl	600	CABOT/FRANKS 750	600	6,500
Santa Fe Drlg	ADWOC 1	dsl-elec	2600	EMSCO C111	1500	20,000
NIGERIA						
Forex Neptune and/or Affil	49	dsl-elec	3200	GAR-DEN 1100E	1500	18,000
	26	dsl	2600	IDECO Super 711	1200	18,000
	23	dsl-elec	3200	GAR-DEN 2100RE	3000	25,400
	24	dsl-elec	3200	GAR-DEN 2100RE	3000	25,400
	25	dsl-elec	3200	GAR-DEN 2100RE	3000	25,400
	9	dsl	2850	NATL 110	1600	19,000
	10	dsl	2600	NATL 110	1600	19,000
	11	dsl-elec	3200	NATL 110UE	1500	19,000
	4	dsl	550	IDECO H525	500	9,000
	5	dsl	2600	NATL 1105	1600	19,000
	1	dsl	2600	IDECO Super 711	1200	16,000
Sedco Inc	59	dsl	2800	OILWELL 860	2200	16,000
SAIPEM	5838	dsl	2500	IDECO H1700	1590	16,500
	5850	dsl	1135	IDECO H40	432	4,800
	5860	dsl	2500	IDECO H1700	1590	16,500
	5847	dsl	2130	IDECO H1700	1375	16,500

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
AFRICA (Cont'd)						
SOMALIA						
Parker Drlg	143	dsl	2000	NATL 110	3300	20,000
SUDAN						
Parker Drlg	195-HH/42	dsl	3000	OIME TBA2000	2000	20,000
	105-HH/2	dsl	1200	OIME	1275	14,000
	119-HH/10	dsl	1950	OIME	1700	18,000
TUNISIA						
Forex Neptune and/or Affil	36	dsl-elec	3200	GAR-DEN	1600	18,000
SAIPEM	5846	dsl	2250	IDECO H1700	1740	16,500
	5842	dsl	2250	IDECO H1700	1740	16,500
ZAIRE						
Von Rautenkranz Hermann	ITAG-102	dsl	900	WILSON Mogul 42		10,000
ASIA						
BANGLADESH						
Parker Drlg	194-HH/41	dsl	2000	OIME TBA2000	2000	20,000
KUWAIT						
Energeers Ltd	1	dsl-elec	2000	M-CSCO D3	1000	13,000
OMAN						
Deutsche Tiefbohr	T-18	dsl	3200	NATL 55	1000	11,000
	T-17	dsl-elec	2700	NATL 1320UE	1800	20,000
PAKISTAN						
Challenger Ltd	61E	dsl	2800	GAR-DEN 1100E	1500	20,000
Deutsche Tiefbohr	T-10	dsl	2700	NATL 110H	1500	16,000
Parker Drlg	126-HH/14	dsl	1500	OIME TBA2000	1700	20,000
AUSTRALIA						
UNDESIGNATED						
Simmons Drlg	7	dsl	350	Hycalog HH-6000	350	6,800
AUSTRALIA/NEW ZEALAND						
AUSTRALIA						
Oil Drlg & Expl	5	dsl	1100	IDECO Jr Super 711	1100	13,000
	12	dsl	1500	IDECO H725	750	10,000
	8	dsl	350	IDECO H35	500	4,500
	15	dsl	2000	IDECO H1700	2000	17,000
	16	dsl	1600	IDECO 1200	1600	14,000
	6	dsl	1200	NATL 55	850	10,000
Pool Intairdril	9	dsl	420	CABOT/FRANKS Expl 1058-160	420	5,000
	18	dsl	110	Schramm T-64-HB	275	
	14	dsl	100	Schramm	200	1,000
	11	dsl	235	GAR-DEN 1000	235	1,000
	216	dsl		WILSON Super 38		3,400
	8	dsl	300	GAR-DEN 15W	300	1,500
	218	dsl		IDECO H44	750	3,400
	33	dsl	600	CABOT/FRANKS 750	600	6,500
Richter Drlg Pty	9	dsl	2000	NATL 80B	1000	12,000
	14	dsl-elec	2000	NATL 80UE	1000	12,000
	2	dsl	1600	NATL 55	900	10,000
	16	dsl	275	BRWSTR RR550	450	6,500
	4	dsl	600	NATL T32	300	6,000
	7	dsl	1600	NATL 610	750	10,000
	11	dsl		Cooper 750	375	10,000
	5	dsl		Cooper 750		10,000
NEW GUINEA						
Parker Drlg	140-HH/28	dsl	1500	OIME TBA2000	1700	20,000
NEW ZEALAND						
Oil Drlg & Expl	17	dsl-elec	2800	IDECO E2100	2800	21,000
CENTRAL AMERICA						
GUATEMALA						
Forex Neptune and/or Affil	39	dsl	1300	IDECO H525	500	9,000
	30	dsl-elec	3200	GAR-DEN	2000	21,700
Parker Drlg	185-HH/40	dsl	2000	OIME TBA2000	2000	20,000

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
EUROPE						
DENMARK						
Deutsche Tiefbohr	T-14	dsl	2400	EMSCO A800	1000	14,000
FRANCE						
COSIFOR	E-350	dsl	1500	EMSCO 350	550	9,000
	G10E	dsl-elec	1600	NATL 610E	800	12,000
	N-110	dsl	2500	NATL 110	1500	18,000
Forex Neptune and/or Affil	31	dsl	3200	IDECO Super 711	1200	18,000
	20	dsl	2850	IDECO Super 711	1200	18,000
	29	dsl	450	NATL 55	700	10,800
	28	dsl	1200	IDECO H25	250	4,400
	18	dsl	900	IDECO H40	500	9,000
	19	dsl	1650	NATL 55	780	10,800
	14	dsl	1600	EMSCO GC500	500	10,800
	16	dsl-elec	2900	EMSCO 1100DE	1500	18,000
	17	dsl	2000	EMSCO A800	800	12,000
	3	dsl	1250	IDECO H525	700	9,000
ICELAND						
Orkustofnun State Drlg Contrs	NARFI	dsl	580	Failing 3000	290	6,000/3.5"
	DOFRI	dsl	1350	OILWELL 52T	320	7,300
	JOTUNN	dsl-elec	1500	GAR-DEN 700E	750	14,000
	GLAUMUR	dsl	290	Failing 2000	290	3,700/2.88"
	YMIR	dsl	180	Mayhew 1000	180	1,800/2.37"
ITALY						
Panterra Ltd	211	elec-scr	1300	IDECO 1700	2000	17,000
	212	elec-scr	1300	IDECO 1200	1000	12,500
SAIPEM	5858	dsl	1135	IDECO H40	432	4,800
	5855	dsl	1800	IDECO H1200	1740	12,600
	5806	dsl	440	Crdwll 02	590	8,100
	5899	dsl	1400	Crdwll 03	1050	10,400
	5836	dsl	2600	IDECO 1350S	1950	20,000
	5803	dsl	1400	IDECO H7/11	885	11,400
	5888	dsl-elec	3200	NATL 1625	3000	25,000
	5852	dsl-elec	880	IDECO E525	625	6,000
	5856	dsl	1700	IDECO H1200	1740	12,600
	5832	dsl-elec	3200	IDECO E2100	2000	20,000
	5840	dsl-elec	2600	IDECO H1700	1700	16,500
	5889	dsl	3200	IDECO E3000	3000	30,000
	5829	dsl-elec	2000	EMSCO D3	1000	10,000
	5872	dsl-elec	2600	NATL 1625	3000	25,000
	5898	dsl-elec	2600	IDECO HE1700	1700	16,500
	5864	dsl-elec	2900	EMSCO C3 Type 2 Pot	3000	25,000
NETHERLANDS						
Deutsche Tiefbohr	T32	dsl	420	IDECO H35KD	300	3,000
	T-36	dsl	1600	IDECO H1000	950	8,000
	T-40	dsl-elec	2600	NATL 80B	1000	15,000
	T-19	dsl	2600	NATL 80BE	1000	14,000
	T-27	dsl-elec	3200	NATL 130	1625	20,000
Kenting Drlg Serv	21	dsl-elec	1000	NATL 80UE	1000	14,000/5"
PORTUGAL						
Boldon Drlg	80	dsl-elec	800	NATL 80UE	1000	14,000
	81	dsl-elec	800	NATL 80UE	1000	14,000
SPAIN						
Compania Gen De Sondeos SA	800	dsl	2400	GAR-DEN	1470	14,800
	110	dsl	2700	NATL T2029	1700	19,700
	G450	dsl	1050	EMSCO G450	450	10,000
Compania General De Sondeos SA	1320	dsl-elec	2600	NATL 1320UE	2500	20,000
Sonpetrol	N-9	elec	2600	NATL 110	2750	16,000
	GD-2	dsl	1100	GAR-DEN 500	600	10,000
	N-8	dsl	2000	NATL 80UE	1000	14,000
	N-7	dsl	3200	NATL 1625	3000	25,000
SWITZERLAND						
Deutsche Tiefbohr	T-7	dsl	1300	NATL 80B	1000	11,000
Kenting Drlg Serv	34	dsl-elec	940	NATL 610UE	750	11,500
UNITED KINGDOM						
Boldon Drlg	21	dsl	370	NATL T20	290	4,500
	61	dsl-elec	600	OILWELL 660E	700	10,000
	23	dsl	350	NATL T20	280	4,000
	22	dsl	590	NATL T20	335	5,500
Houlder Marine Drlg	2	dsl-elec	1600	Superior 700E	1000	9,000
Kenting Drlg Serv	17	dsl	350	Stratmaster 90	350	5,000/3.5"
	36	dsl-elec	940	Superior 700UE	700	10,000
	26	dsl	350	Superior 400	350	7,000/4"
	31	dsl-elec	1000	NATL 80UE	1000	14,000/5"
	19	dsl	350	GAR-DEN 3000	230	4,500/3.5"
	12	dsl	350	BRWSTR N45	350	8,000/4"

EUROPE (Cont'd)

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
WEST GERMANY						
Deutsche Tiefbohr	T-47	dsl-elec	3900	EMSCO C3	3000	30,000
	T-81	dsl	375	Cooper LTO350	200	4,000
	T-82	dsl	375	Cooper LTO350	200	4,000
	T45	dsl-elec	2600	EMSCO C2	2000	20,000
	T-29	dsl-elec	2600	NATL 1320ME	2000	20,000
	T-30	dsl-elec	1000	IDECO E725D	725	6,000
	T-1	dsl	335	IDECO H1000	910	8,000
	T-8	dsl	335	IDECO H1000	910	8,000
	T-9	dsl	335	IDECO H1000	910	8,000
	T-4	dsl	500	IDECO H30	455	6,000
	T-5	dsl	335	IDECO H525D	910	6,000
	T-3	dsl	420	IDECO H44CD	460	5,000
Preussag Aktiengesellschaft	1320UE	dsl	3200	NATL 3120UE	2000	25,000
	2	dsl	1500	CABOT/FRANKS Model 2346	840	10,000
	1	dsl	1100	CABOT/FRANKS Model 2346	840	10,000
	GH35	dsl	2000	DeMag GH35	1500	16,500
	900/3	dsl	1450	Ingersoll Mode 2346	900	10,000
	ZA292	dsl	500	Salzgitter	180	3,000
	GH-25	dsl	2000	Wirth GH25	1500	14,000
SAIPEM	5870	dsl-elec	3200	NATL 1625	3000	25,000
Von Rautenkranz Hermann	ITAG-109	dsl	600	WILSON M75		70,000
	ITAG-104	dsl	1450	WILSON Mogul		8,000
	ITAG-23	dsl-elec	3000	OILWELL 2000E		25,000
	ITAG-108	dsl	1600	WILSON M75		10,000
	ITAG 22	dsl	3000	NATL 110M		20,000

MIDDLE EAST

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ABU DHABI						
Forex Neptune and/or Affil	34	dsl-elec	3200	GAR-DEN 1100	1500	18,000
	40	dsl-elec	2000	NATL 80UE	1000	15,700
	32	dsl-elec	3200	GAR-DEN 1100E	1500	18,000
BAHRAIN						
Santa Fe Drlg	142	dsl	2600	NATL 11OUE	1500	18,000
IRAN						
SAIPEM	5837	dsl	2600	IDECO 1350S	1950	20,000
IRAQ						
SAIPEM	5848	dsl	2600	IDECO H1700	1740	16,500
	5849	dsl	2800	IDECO H1700	2100	16,500
	5843	dsl-elec	2800	OILWELL E2000	2000	20,000
KUWAIT						
Kuwait Drlg	KDC-5	dsl-elec	1700	GAR-DEN 800E	800	12,000
	KDC-9	dsl-elec		OILWELL E2000	2000	25,000
	KDC-11	dsl-elec	5100	OILWELL E-3000	3000	30,000
	KDC-10	dsl-elec	5100	OILWELL E3000	3000	30,000
	KDC-6	dsl-elec	5100	OILWELL E3000	3000	30,000
	KDC-8	dsl-elec		OILWELL E2000	2000	25,000
	KDC-7	dsl-elec	1700	GAR-DEN 800E	800	12,000
Parker Drlg	189	dsl-elec	3200	OIME 3000E	3000	30,000
Santa Fe Drlg	KDC 9	dsl-elec	2800	OILWELL E2000	2000	20,000
	KDC 8	dsl-elec	2800	OIWELL E2000	2000	20,000
OMAN						
Deutsche Tiefbohr	T-33	dsl	1600	NATL 55	1000	11,000
	T-34	dsl	1600	IDECO H1000	950	8,000
Forex Neptune and/or Affil	58	dsl	2000	NATL 80B	1000	15,700
	57	dsl	2000	OILWELL 760	1000	15,000
	15	dsl-elec	3200	IDECO Super 711	1200	18,000
	12	dsl	1800	IDECO Junior 1200	1400	11,500
Pool Intairdril	6	dsl	600	CABOT/FRANKS 750	650	7,500
QATAR						
Deutsche Tiefbohr	T-6	dsl	500	IDECO H1000	910	8,000
Santa Fe Drlg	93	dsl-elec	1700	NATL 80UE	700	12,000
	89	dsl-elec	2000	NATL 110UE	1800	16,000
SAUDI ARABIA						
Loffland Bros	127	dsl-elec	3200	M-CSCO U1220EBD	2000	25,000
	128	dsl-elec	3200	M-CSCO U1220EDB	2000	25,000
	126	dsl-elec	3200	M-CSCO U1220EBD	2000	25,000
Pool Arabia	128	dsl	230	CABOT/FRANKS Expl III	450	6,500
	194	dsl	750	Ingersoll 2042/160	700	8,500
	15	dsl	420	IDECO DIR550	420	6,500
	40	dsl	600	CABOT/FRANKS 700	600	6,500
	29	dsl	420	CABOT/FRANKS Expl 1058	420	6,000
	23	dsl	300	IDECO H40	450	8,000

MIDDLE EAST (Cont'd)

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
SAUDI ARABIA (Cont'd)						
Pool Arabia	203		1400	OILWELL	1000	12,000
	201	dsl	1400	OILWELL	1000	3,000
	202	dsl	1400	OILWELL	1000	12,000
	190	dsl	550	CABOT/FRANKS	700	7,500
	191	dsl	550	CABOT/FRANKS	700	7,500
	192	dsl	500	Ingersoll 2042/160	700	8,500
	195	dsl	750	Ingersoll 2042/160	700	8,500
	138	dsl	450	CABOT/FRANKS	450	6,500
	193	dsl	500	Ingersoll 2042/160	700	8,500
Santa Fe Drlg	109	dsl-elec	2000	NATL 110UE	1800	16,000
	90	dsl-elec	2000	NATL 1320DE	2000	20,000
	101	dsl-elec	2600	NATL 110UE	1500	16,000
	102	dsl-elec	2400	NATL 110UE	1500	16,000
	70	dsl-elec	2000	NATL 1320DE	3400	20,000
	67	dsl-elec	2400	NATL 1320DE	3400	20,000
	104	dsl-elec	3400	NATL 1100UE	1500	16,000
SYRIA						
Santa Fe Drlg	75	dsl	2000	NATL 1320M	1800	20,000
UNITED ARAB EMIRATES						
Forex Neptune and/or Affil	56	dsl	2000	NATL 80B	1000	15,700
	21	dsl-elec	3200	GAR-DEN 2100E	2300	25,400
Geoprosco Intl	36	dsl	725	IDECO H900	725	10,000
	43	dsl-elec	700	IDECO ED-900	1000	10,000
	42	dsl-elec	725	IDECO ED-900	1000	10,000
Pool Intairdril	214	elec-scr	900	IDECO 900	1000	10,500
	213	elec-scr	900	IDECO 900	1000	10,500
	215	elec-scr	900	IDECO 900	1000	10,500
Santa Fe Drlg	139	dsl	3400	OILWELL E2000	2000	25,000
	121	dsl-elec	3400	OILWELL 2000E	3000	25,000
	131					
Sedco Inc	97	dsl	2700	OILWELL 860	2200	16,000
	98	dsl-elec	2600	NATL 1320UE	2000	20,000
	96	dsl	3400	OILWELL E2000	2000	20,000
	95	dsl-elec	3400	NATL 1320UE	2000	20,000
Sonat Offshore Drlg	37	dsl-elec	2000	IDECO ED1200	1200	12,000
	14	dsl		EMSCO C2 Type II		20,000
SAIPEM	5887	dsl-elec	3200	NATL 1625	3000	25,000
	5827	dsl-elec	3200	IDECO E2100	2000	20,000
	5828	dsl-elec	3200	IDECO E2100	2000	20,000

SOUTH AMERICA

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ARGENTINA						
Compania Naviera Perez Companc	1	dsl	1400	Crdwll J450	700	6,900
	46	dsl	1500	GAR-DEN 500M	700	10,000
	42	dsl	1000	GAR-DEN 700	1700	10,000
	37	dsl	1400	Crdwll KB-210	350	5,900
	29	dsl	1600	GAR-DEN 700	700	10,000
	5	dsl	1400	Crdwll KM250	350	5,900
	6	dsl	1400	Crdwll KM250	350	5,900
	4	dsl	1400	Crdwll J450	700	6,900
	3	dsl	1400	Crdwll J450	700	6,900
	2	dsl	1400	Crdwll J450	700	6,900
Rio Colorado SA	304	dsl		Wgnr-Mrhse 1538B		11,000
	E-103	dsl	1250	M-CSCO U36A	1000	10,000
	E-102	dsl	1250	M-CSCO U36A	1000	10,000
	308	dsl		Crdwll K200		10,000
	311	dsl		WILSON Super 38		11,000
	312	dsl		Crdwll KB150		9,000
	E-310	dsl	230	Crdwll KB200-C	380	10,000
	E-307	dsl	160	IDECO H-25	380	10,000
	E-309	dsl	230	IDECO KB210A	280	10,000
	E-302	dsl	180	WM-1538B	380	11,000
	321	dsl		IDECO M20D		8,500
	322	dsl		IDECO M20D		8,500
	324	dsl		IDECO M20D		8,500
	325	dsl		IDECO H25		9,500
	326	dsl		Crdwll KB210A		10,000
	327	dsl		IDECO H20		8,500
	E-130	dsl	1320	IDECO H40	450	8,000
	E-301	dsl	230	Crdwll KB500	380	12,000
	E-109	dsl	1250	NATL N75	1500	11,000
	E-318	dsl	550	IDECO H30	230	11,000
	E-317	dsl	550	Crdwll KB200C	370	10,000
	E-108	dsl	1250	NATL	800	10,000
	E-125	dsl	880	IDECO H37	500	6,500
	E-107	dsl	1800	NATL 100N	1500	16,000
	E-323	dsl	550	IDECO H30	230	11,000
	E-110	dsl	1000	IDECO H40	500	8,000
	E-320	dsl	550	IDECO H30	230	11,000
	112	dsl		IDECO H40		6,500
	E-111	dsl	1500	GAR-DEN 800DW	900	11,000
	303	dsl		Wgnr-Mrhse 1538B		11,000
	E-101	dsl	1250	M-CSCO U36A	700	10,000
	146	dsl				15,000
	306	dsl		Crdwll K210A		10,000
	305	dsl		WILSON Super 38		11,000
	E-319	dsl	550	IDECO H30	230	11,000
	E-137	dsl	1900	IDECO H1200	2500	15,000
	E-105	dsl	1000	EMSCO GC350	800	9,000

SOUTH AMERICA (Cont'd)

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
ARGENTINA (Cont'd)						
Rio Colorado SA	E-127	elec	2860	GAR-DEN 1500E	2000	20,000
	E-128	dsl-elec	1140	IDECO E525	1000	10,000
	E-129	dsl	1600	NATL 75	1000	10,000
	E-134	dsl-elec	2600	NATL 1625DE	3000	25,000
	E-126	dsl	2600	NATL 1320UE	2000	20,000
	E-113	dsl	1600	GAR-DEN 800DW	1200	12,000
	E-112	dsl	1000	IDECO H40	500	6,500
	E-132	dsl	1320	IDECO H40	550	8,000
RBI Drlg	31	dsl	2700	NATL 110M	3075	18,000
	30	dsl	2700	NATL 110M	3075	18,000
BOLIVIA						
Drilcon	6	dsl	2145	GAR-DEN 1100M	2145	16,000
	7	dsl	1290	EMSCO GB800	1290	12,000
Helmerich & Payne Rasco	11	dsl-elec	1600	HS1500	1500	18,000
	9	dsl-elec	1600	HS1500	1500	18,000
Rio Colorado SA	E-104	dsl	1000	IDECO H525	800	10,000
BRAZIL						
Compania Naviera Perez Companc	36	dsl	1600	GAR-DEN 800	1650	12,000
	45	dsl-elec	2600	IDECO E-1700	1700	15,200
Parker Drlg	134-HH/22	dsl	1500	OIME TBA2000	1700	20,000
	132-HH/20	dsl	1500	OIME TBA2000	1700	20,000
	151-HH/34	dsl	1500	OIME TBA2000	1700	20,000
	145-HH/31	dsl	1500	OIME TBA2000	1700	20,000
Rio Colorado SA	E-123	elec	2600	NATL 1320E	2000	20,000
	E-120	dsl	2600	BRWSTR N95A	2250	14,000
	E-122	elec	2600	BRWSTR N95A	2000	16,000
	E-119	dsl	1650	EMSCO A800	1600	12,000
	E-121	elec	2600	BRWSTR N95A	2000	16,000
	E-124	elec	2600	NATL 1320E	2000	20,000
COLOMBIA						
Helmerich & Payne (Colombia)	10	dsl-elec	1600	HS1500	1500	18,000
	7	dsl-elec	2000	HS1500	1500	18,000
Parker Drlg	158	dsl	1200	NATL 80B	1700	15,000
	104	dsl	1400	NATL 50A	1275	10,000
	110HH/9	dsl	1500	OIME	1700	17,000
	219	dsl	3200	OIME 2000	3200	25,000
	197-HH/43	dsl	2000	OIME TBA2000	2000	20,000
	80	dsl	2900	NATL 130	2900	25,000
	216	dsl	3200	OIME 2000	3200	25,000
	209	dsl	750	NATL 50	750	10,000
Pool Americas	208	dsl	2000	OIME	1000	12,000
	209	dsl	2000	OIME	1000	12,000
Rio Colorado Drlg	135	dsl	1300	IDECO H40SP	500	9,500
Rio Colorado SA	144	dsl		BRWSTR N85		14,000
	135	dsl	1100	IDECO H40	600	8,000
ECUADOR						
Helmerich & Payne Del Ecuador	12	dsl-elec	1600	HS1500	1500	18,000
	18	dsl	500	Cooper LTO550	600	6,000
Parker Drlg	159	dsl	2200	OILWELL 76	1560	15,000
Pool Intairdril	217	dsl	400	IDECO H37	450	
	210	dsl	400	WILSON DD42428	450	3,000
	207	dsl	400	WILSON Mogul 42B	400	
	126	dsl	230	WILSON Mogul 42	450	6,500
GUATEMALA						
Helmerich & Payne (Guatemala)	16	dsl-elec	2800	HS1500	1500	18,000
	45	dsl-el-scr	3000	NATL 1320UE	2000	25,000
PERU						
Belco Petr	7	dsl	850	EMSCO A1100	1800	14,000
	8	dsl	850	EMSCO DH4610	1000	10,000
	3	dsl	1000	NATL 55	700	9,000
	4	dsl	1000	NATL 80B	1000	12,000
	6	dsl	1000	BRWSTR DH4610	1000	12,000
	2	dsl	1000	BRWSTR H4210	700	6,000
Blocker Intl	21	dsl	550	IDECO H37	456	7,000
	23	dsl	550	IDECO H37	456	7,000
	31					15,000
	34					15,000
	24	dsl	550	IDECO H37	456	7,000
	22	dsl	550	IDECO H37	456	7,000
Parker Drlg	206	dsl		OIME TBA2000	2000	20,000
	155	dsl	1500	OIME TBA2000	1700	20,000
	109-HH/7	dsl	1500	OIME	1700	17,000
	108-HH/5	dsl	1500	OIME	1700	17,000
	127-HH/15	dsl	1500	OIME TBA2000	1700	20,000
	131-HH/*9	dsl	1500	OIME TBA2000	1700	20,000
	154-HH/35	dsl	1500	OIME TBA2000	1700	20,000
	107-HH/4	dsl	1200	OIME	1700	15,000
	207	dsl	2000	OIME TBA2000	2000	20,000
Rio Colorado SA	E-118	dsl	600	Ingersoll RT5	200	3,000
	E-117	dsl	900	Crdwll KT250	500	6,000
	E-116	dsl	900	Crdwll KT250	500	6,000
	E-115	dsl	900	Crdwll KT250	500	6,000
	313	dsl		Crdwll KB150		9,000
	315	dsl		Crdwll KB150		9,000
	316	dsl		Crdwll KB150		9,000

SOUTH AMERICA (Cont'd)

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
PERU (Cont'd)						
Rio Colorado SA	314	dsl		Crdwll KB150		9,000
	E-106	dsl	1000	EMSCO GC350T	1000	9,000
	E-114	dsl	900	Crdwll KT250	500	6,000
VENEZUELA						
Helmerich & Payne CA	67	dsl	1500	NATL 110	1500	18,000
	3	dsl	600	IDECO H37	600	6,000
	20	dsl	600	Cooper LTO550	600	6,000
	28	dsl	1500	NATL 110	1500	18,000
	30	dsl	1200	IDECO H525	1200	10,000
	31	dsl	1200	IDECO H525	1000	10,000
	21	dsl	600	Cooper LTO550	600	6,000
	19	dsl	600	Cooper LTO550	600	6,000
	17	dsl	600	Cooper LTO550	600	6,000
	14	dsl	600	IDECO H37	400	6,000
	6	dsl	300	IDECO H44	400	5,000
Loffland Bros	94	dsl-elec	2000	M-CSCO U20E	1900	16,000
	68	dsl-elec	3200	M-CSCO U1220EB	3300	28,000
	61	dsl	500	IDECO H525	566	6,500
	14	dsl	700	M-CSCO U36A	785	9,000
	54	dsl-elec	2900	M-CSCO U1220EB	3300	28,000
	24	dsl-elec	2000	NATL 100E	2000	16,000
	41	dsl	2000	M-CSCO U914C	2000	20,000
Santa Fe Drlg	110	dsl-elec	2000	NATL 1320UE	2000	20,000
	115	dsl-elec	2000	NATL 1320DE	3400	20,000
	8	dsl	2200	NATL 130	1800	20,000
	2	dsl	1700	NATL 130	1800	20,000
	129	dsl	1700	GAR-DEN 500M	650	9,000
	21	dsl	1200	U914B	1800	20,000
	24	dsl	350	IDECO H35	350	5,000
	125	dsl	800	Hooper GXTA	450	6,000
	22	dsl	350	IDECO H35	350	5,000
	15	dsl	800	IDECO 525	600	9,000
	20	dsl	800	IDECO H40D	350	7,000
	16	dsl	600	NATL T32	250	5,000
	9	dsl	1850	NATL 130	1800	20,000
	119	dsl-elec	2800	OILWELL E2000	2000	20,000

SOUTHEAST ASIA

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
BRUNEI						
Deutsche Tiefbohr	T-41	dsl	1800	WILSON 780	780	8,000
	T-31	dsl	1000	WILSON 780	910	8,000
INDONESIA						
Hi Tower Drlg	9	dsl	780	NATL 50A	880	8,500
Houlder Marine Drlg	1	dsl-elec	1600	NATL 80UE	1000	12,000
Loffland Bros	56	dsl	900	M-CSCO U36A	900	10,000
	300	dsl	600	M-CSCO U34	500	4,000
	139	dsl	1400	M-CSCO U36	900	10,000
Parker Drlg	125-HH/13	dsl	1200	OIME	1700	18,000
	130-HH/18	dsl	1500	OIME TBA2000	1700	20,000
	106-HH/3	dsl	1600	OIME	1275	14,000
	188-HH/38		2000	OIME TBA2400	2000	24,000
	115-HH/8	dsl	1200	OIME	1700	18,000
	190-HH/39	dsl	1500	OIME TBA2000	1700	20,000
PT Malhabor Indonesia	MBI 1	dsl	600	NATL 610	750	12,000
PT Meta Epsi Drlg	3	dsl-elec	1050	HD1500E	1500	15,000
	2	dsl-elec	1050	HD1500E	1500	15,000
	1	dsl	1600	NATL 610	850	12,000
PHILIPPINES						
Richter Drlg Pty	8	dsl	1400	NATL 110M	1100	15,000
	6	dsl	1350	NATL 100	1000	14,000
SINGAPORE						
Forex Neptune and/or Affil	45	dsl-elec	1960	WILSON EH120	1100	16,900
Parker Drlg	146-HH/32	dsl	1500	OIME TBA2000	1700	20,000
	156-HH/36	dsl	1500	OIME TBA2000	1700	25,000
	160	dsl	1500	OIME TBA2000	1700	20,000
SUMATRA						
Bawden Drlg Intl	6	dsl	1000	NATL T45	550	7,500
	51	dsl	1200	Superior 700	700	10,000
	29	dsl-elec	1400	NATL 80E	1000	12,000
	3	elec-scr	3200	NATL 1320UE	2000	22,000
	28	dsl	925	EMSCO GB350	350	7,200
Parker Drlg	153/187	dsl-elec	3200	OIME 3000E	2000	24,000
	168	dsl-elec	3200	EMSCO C2	2000	24,000
THAILAND						
Deutsche Tiefbohr	T-46	dsl-elec	2600	EMSCO C2	2000	20,000
Parker Drlg	200-HH/44	dsl	2000	OIME TBA2000	2000	20,000
Sedco Inc	91	dsl-elec	3400	NATL 110UE	2000	16,000

WEST INDIES

Contractor	Rig No	Type Power	Total HP All Main Mud Pumps	Drawworks Make and Model	Total HP Available to Drwwks	Rated Depth with 4½" Pipe
JAMAICA						
Parker Drlg	144-HH/30	dsl	1500	OIME TBA2000	1700	20,000